

tcgtgatgtt gaaggaagtc gtattattgt ggaatttgcc aaggggggtc ctcgtgggtc 300
 ccgggaccgg gaatatatgg gtcgggggtcc acctcctgga tctgggcat gctntaactg 360
 tggcattgat ggtcatt 377

<210> 9873
 <211> 359
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220106e01d1

<400> 9873

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 ctatgatcat gcatgcatga ccagaacaca ctgaaattct cacagcactt gcaaggggga 180
 ataatccaag tattaatttg tgccgcacct ggacacatat tgatcatatat ataacagaca 240
 gtgggtactaa cctccaaata caaagtaata attatagtta aagcacgaac aatccaatcg 300
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<210> 9874
 <211> 157
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220106e02a1

<400> 9874

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 tttattttta tttacagatt ttttttttct tttattt 157

<210> 9875
 <211> 422
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220106e02d1

<400> 9875

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 ttttccttg aatcagggag ttgcttcggt aatatatacc ttgatcacca ctactttgta 180
 ttatcatttc ttattattct gctagccgtg gcaaagggtc ccagactgaa atactttgac 240
 aacatccagc atataaaggc taggcatata aatgtgtcca tgaactgaaa tagataccct 300
 aacgaaaggt agctactgcc ctattttctca ttattattct atttcattcc caagatgata 360
 gttggtcatt ttcattcacc aactccatcc ccaaaaggaa taaaaataat aaataaaata 420
 aa 422

<210> 9876
 <211> 552
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220106e03a1
 <400> 9876

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 actcctggaa aggggtattc ttgctgctga tgagtcaaca gggacaattg gcaagcgttt 180
 ggccagcatc agtgtagaga atgttgaatc caacaggcgt gctcttaggg agctgctttt 240
 caccgtccc ggtgctctta aatatctcag tgggtgcatc ctctttgagg aaactctcta 300
 ccagagcaca gctgcaggca agccctttgt ggaagtcttg aaggaggctg gtgtgcttcc 360
 tggcatcaag gttgacaagg gcacagtga gcttgctggc actaatggag aaaccaccac 420
 tcaaggtcta gatggccttg gtcagcgttg cgccaagtac tatgaagccc gggcacgttt 480
 tgccaagtgg cgtgctgtgc tgaagattgg tnccaacgag ccctctgagc tggctatcca 540
 tgagaatgcc ta 552

<210> 9877
 <211> 532
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220106e04a1

<400> 9877

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gcaacaccca atctttcttct cacaccaaaa ccttctcaac gaaggccttc tcttgtggtc    180
aaatctactg tgggtgtggc tgacccttct ccatcttctt ctctctacgc tggggatacc    240
tctgattcca tctcttcttt gaagctcaat ctgctgagtg ctgtttctgg gctaaataga    300
ggccttgctg caagcgaaga cgatcttcga aaggcagatg atgctgctaa ggaacttgaa    360
gctgctggag gacttgtgga tctctcgctt ggtcttgaca atttgcaagg aagatggaaa    420
ctcatttata gcagcgcatt ttcgtctcga acccttggtg gaagccgtcc tggctctccc    480
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<210> 9878

<211> 543

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220106e05a1

<400> 9878

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gatgagtacc ttctcccacg cagctacatc accgggtacc aagctacaaa ggatgatctt    180
actgtttatg cagctttgcc aactgctcca tcagatgaat atggaaatgt ttccaggtgg    240
tacaagcaca ttgatgcttt gttgagaatc tctggtgttt ctggcgaggg atctggtggt    300
attgttgagg gatccctggt tgccggagcct gttgcaactc ccccagctgc tgacactaag    360
gctgctgttg ctgaggatga cgatgatgat gatgttgatt tgtttggtga agagactgaa    420
gaagagaaga aggcagctga ggaacgggca gctgcagtga aggcactctgc aaaaaagaaa    480
gagtctggga aatcatctgt tctgttggtat gtaaaaccat gggatgatga aactgacatg    540
aag                                              543

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<210> 9879

<211> 392
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220106e06a1

<400> 9879

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gacatctcaa aagtggatga tctacaggtc aagatggatc ttacagatg acttgttgca 120
tatggttggt ctacgttttt ggatcatctc aatctctgca gagctgcttg agtttgtaag 180
cagtggctgg actgcttggtg ctcatgaaca ctcttggaag agtttgaatt ctgaagaccg 240
gaacatattc tgtagagcaa cttgaggaca ttagttcgct gtatccta atgacagctt 300
tctcgatgta tggaccctgc tctctaata gcttgttatg aatgccatat tgttaata 360
gaaattatct cgcctttaac attgggaaaa ac 392
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<210> 9880
 <211> 451
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220106e07a1

<400> 9880

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gccttccatg gcttccgctt gtgcttcctc tgcaattaca gctgttgcca tctctacgcc 120
gagttccggg caggaggaat ggatcaggag gttgttttct tagtggaagg aaattgaggg 180
tgaaaaagga gagagcagca attggaggac gatcgatggg cactacagtg tgcgcagttg 240
ctgagcctga cagacctcta tggttcccag gcagcacccc tctccatgg cttgatggca 300
ctctacctgg agacttcggc tttgaccctc ttggtcttgg atctgacccg gagagtctga 360
gatggaatgt tcaggcagag ctagtgcact gcagatgggc aatgtttggg tgctgctggc 420
atcttcattc cagaattcct aaacaaagat t 451
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<210> 9881
 <211> 391
 <212> DNA
 <213> Glycine max

<213> Glycine max

<223> Clone ID: jC-gmfl02220106e09d1

<400> 9883

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ttctatgaca gaaattaact gaaatgaaaa aatggaaccg gtgatctaata cagggtgctg 180
gtgcatgatt tctgaaacag catccagaaa cgtggcttct cttgtggccg gaggatcaga 240
atccacagct gactttacat ttccctcaat cacagactcc ctgttcaaag attccctgca 300
cataagactt ccaatggcaa aggggagtat gccctgtcc actcctttgt taaaagacg 360
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<210> 9884

<211> 521

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220106e10a1

<400> 9884

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aggtgctccc ccaccaatg cagtgggttg cctagatggt tgtggtcaat ttaaaccgt 120
taagcaagct attgactcct accctaagaa tttcaaaggc agattcatta tttatgttaa 180
agctgggatt tataacgagt atatcactat ccctaagaag tcagagaata ttttgattta 240
tgagatggc cctacaaaat ccattattac tggtaacaaa aactttatag atggcgtaa 300
gacaatgcatt actgccacct ttgccaatac tgcacctgga ttcattgcca agtcaattgc 360
attcgagaac acagcgggtg caaagaagca ccaagcagtg gcattcagaa accaaagaga 420
catgtcgcc atgttcgact gtgccatgca cggtttcta gacacattgt acaccctagc 480
ctaccgtcaa ttctaccgca actgcgaaat ctcgggcacc a 521

<210> 9885

<211> 309

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220106e10d1

<400> 9885

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 caggtttctc atgtgtgtac aaaatatgat atgattccac cctagcttgg aggtagaatc 120
 acaccaagtg tgctgagaac aaagctaatt aattgattct gcgtgtctat aactacggac 180
 acatgaattt gcacataaaa aagaaacttg tgcccatatt taaccctaca gcggtaccat 240
 gcttggtgat ggataatcca tggcttgggtg aaaccaatgg tgtatggatc gccggctgcc 300
 tgtaaccaa 309

<210> 9886

<211> 428

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220106e11a1

<400> 9886

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 ccactattag ctagcatagc tctatggata tgaagaatat gtgcaacgaa taaaagaaag 120
 cgatagaaaa ggaagaagaa gcgcttcgcg atgcacgaaa gagaagaatt ggaagcaaag 180
 tttcggcggtt ttgtctttta taaaaaaaat gttaaactat tataattttc tatgataggg 240
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 gcactgcgcc ctcgctgcat gatcatgtag ttttcaacca gctgcggttag cgggggttgta 360
 aaactaataa catatataat caaataaatt atattattta tcanaaaaaa aaaggaaaat 420
 atttactg 428

<210> 9887

<211> 405

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220106e11d1

<400> 9887

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cagctgggtg aaaacttcat gatcatgccg cgagggcgcc gggctttaca actgtttaaa 120
 tacaccgatt ttcttttaca tatgaaaata gacatgatac ccttcccttt catagaaaat 180
 tataatgatt taacattttt ttatataaaag acaaaacgcc gaaactttgc ttccaatttt 240
 tctttttcgg gcatcgggaa gggcttcttc ttcctttttt atcggtttct tttattcgtg 300
 ggacatattc ttcatatcca ttgagctttg ctagcttatt gtggtaagga ggaggggggg 360
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<210> 9888
 <211> 525
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220106e12a1
 <400> 9888

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 gctcccgccg caacatcgat agaggataaa cctcaacccc ccgtgggttaa acttgacaaa 180
 atgttttggt ctaagccctg ttcgctggcc ctgccccggg actcaccctt caaagctgaa 240
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 cagagcaagt caattcgagg cgctaattgt gtgtaccgaa gaattgtttc tcaaattgat 360
 aaacctccca tttatgaatg tgtttaactt ggagaaaaca ttcaaaacaa cattctctct 420
 acttgtactt atatgtgggt atgtntgcgt cgcttgtagc aagatggaaa tgaagggtgtt 480
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<210> 9889
 <211> 477
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220106e12d1
 <400> 9889

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 agggtcaccc cgacatgctg tgcgaccaga tctctgatgc agtacttgat gcgtgccttg 180
 aacaggaccc tgacagcttg gttgcctgtg agacatgcac caagaccaac atggctcttg 240
 tcttcggaga gatcacaacc taagccaacg cagtctatga ttagagcgcc cgcgacacat 300
 gccgcgaaat tggattcatg tgtgatgatg ttggccttga tgctgacaaa tgcatagtgt 360
 tggtaacat tgagctacag agcccgata tcgtccatgg tgtgcacggt cacttctcca 420
 aacgcccaga ggaggttggt gctagtgacc atggtcacat gtttgggtat gccaccg 477

<210> 9890
 <211> 266
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220106f01a1
 <400> 9890

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 aaggctgggg atcaaatacc tgccaccg gggatccgct atatatatac ctgccgccac 120
 caaaggggag ggcccactgg tgttgctctc acacaggttt catgaccgcg tggactcatg 180
 gagccatcag actgtctctc tcaggtaaac tgggtaccgc tgccaatgct ccccatcttc 240
 gtggctacgg agacaccgaa gcacca 266

<210> 9891
 <211> 489
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220106f01d1
 <400> 9891

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 ttaatacaaa caagcatagg aagggttgatg gtatggagggt tttctgcagt tgatgaatcc 120
 tgccataaaa aaagatctcg ataccttaaa tatcaaaaaca aaagcgcaat tataacaccc 180
 tttcacttca gctgcgactt tatactctgg tgaattcggt tttggacaag atcagaactt 240
 gttgataaaa tcgtatatgt aattatcgat ttcctctgct gcttcttgat tattgaagt 300

agccactcct ttctgcacaa tcacttggtc taaatttggc acatcttgct tgaaccctcc 360
 gccgtggata tactccttca agttcagcga gttgtatacc atgtccaact cacctgttat 420
 gtatttttacg ggcaccttga tttgcccttc tgtccatggt gccgtcaact tccaatttaa 480
 gttgaaatt 489

<210> 9892
 <211> 474
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220106f02a1

<400> 9892

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 agaattttgt ttgagatat atatacatat atgtgcaagt gcataggaaa ttaacacaaa 180
 aagatgacat ggtgcaatga ctctgatgag gatagggtta ttgaatcaac gacgccaaaca 240
 ataactatta ctccaaacac tgatggcata aagctcaccg aagaaattag aaccataaca 300
 tgcccctcgt gcggccataa cattgaattc aaagatcagg gtggaatcca tgacttgccg 360
 gggttaccag ctggagtga gtttgacca aatgaccaag aaatattaga acatttgag 420
 gcaaaagtgg cgtatgatgc atgcaagctt catcncctta ttgacgagtt cata 474

<210> 9893
 <211> 444
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220106f02d1

<400> 9893

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 atgcaaaaaa accagattgc ttcattgtcaa catgaccacc tcatgaaaat ttatcatact 120
 aagctcaatt catcttttagt atttgatatt ttttaagtcgt ctttaaactc agcgtcgagc 180
 ttcttccgca atgccactaa ttcttcccct gcacgcgaga tataggccga agcttgtctg 240

ccagacaagg ttgcaccttc catgctgtct atgtagtcct gctttgtgta agagccagca 300
 agaaagaaat tcctcactgg tgtcttttga tcaggtctat atgggatcctt taccaggacc 360
 ctcacggtac agagattggc caattttaac aacagaagac ctagtcactt ccaaacccttg 420
 agatgatggg aacagtgcc aaac 444

<210> 9894
 <211> 420
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220106f03a1
 <400> 9894

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 gttgccacca aacgcttcat cagttccagc agtttttagcg tttggagatt ccatcgtgga 180
 cccaggcaac aacaacaaca taaaaacatt gatcaagtgc aacttcccac cttatggaaa 240
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 aatagttgaa caattgggta ttaaggagta tttgcctgca tatttggatc cgaatctcaa 360
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<210> 9895
 <211> 504
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220106f04a1
 <400> 9895

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 ttctgtgatt taacaagtgc cctcttgaat tactaccoga gtgagatact tcgatttaac 120
 tccctctggt gatggctgaa actcaattga agtgattcac tggactactt tatcatcttg 180
 gtctgagggt gaagctatct aatttctgaa tttccgtgag tttcttaatc cctgagtatg 240
 gccgggagcc aagatcagtt agagatcaag tttcggttga gtgatggtag ggatattggc 300
 cccaaaagtt attctgctgc tactagtatt gtaacactaa aagaaagtgt tcttgctcaa 360

tggccaaaag ataaggagta tggaccaaga actgtaaaag atttgaagtt aattagtgtc 420
 ggaaaagtat tggagaacaa caaaacagtg ggagactgtc agagtccatt gtgtgatcta 480
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<210> 9896
 <211> 389
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220106f07a1

<400> 9896

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 tgtcacaaat gatgagattg cagctgatct taaagaacac gtgattaagc ctgtgattcc 120
 tgagaaggtc ccttgatgag aagaccattt tccatttgaa cccttctggc aggtttgtca 180
 ttggagggcc gcatggcgat gctggtctca cgggccgcaa gatcatcatc gacacctatg 240
 gaggatgggg tgcacatggg tgggtgtgcc ttctctggga aggatcctac caaggttgat 300
 agggagtggg gcctacattg tgaggcaagc tgcaaagagc attgttgcaa atggacttgc 360
 taggagggaa attgtgcaag tttcctatg 389

<210> 9897
 <211> 369
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220106f08a1

<400> 9897

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 aatcttaaca acttgctaga agaagataaa gaaagagaaa aagtgtgtgt gtgtgagaga 120
 gagcaatggc tgggctcgtg ggcacgccgt tctctgattg ttctggctat catttccttc 180
 ggatgtttat ttgcaatttc cattgctaag gaggaagcca caaaattggg gacggtcatc 240
 gggattgatc ttggaacgac ctattcatgg tgttggtgtt tacaagaacg gccatgttga 300
 aatcatagcc aatgatcaag ggtaaccgta tcaccccatc gtgggttgct ttcaccgaca 360
 gtgagagac 369

<210> 9898
 <211> 548
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220106f09a1

<400> 9898

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 gtagctcacg ctctctctct aatctgaggc cttctttctc tgcctccacc ccataaacct 120
 tgcctgtcac agaattgcgg actgctggtt cctctaaagt ggatattagg gatgtgcaag 180
 tagatgaaca cgttaccgtg acaagatggt ccaagaaaca tagggcccta ttcactggca 240
 gaggctcaga aaaagtcgaa agctggaaaa aaagaactat gcaactcaatc gtcaacttgg 300
 gacgtttctg aaacgtcaaa gcctgcctca aagacaagaa gtgaggaagc caaaatctct 360
 gcatgggaga acttgcaaaa ggcaaaagca gaagcagcaa tacggaaact agagatgaaa 420
 ctggaaaaaa ggcgagcatc ctctatggat aagatcatga acaagcttag attggcccag 480
 aaaaaagctc aagaaatgag aagttcagtt ccacacaacc aatccgatcg ggttgtatga 540
 cttcacac 548

<210> 9899
 <211> 517
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220106f09d1

<400> 9899

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 tgggaggaga gaaaaatatt caaaagatct tatctctaaa atttggccta cttacaaata 180
 ttgctaccca ttgaatccaa actcccgaac atgggggctta gattttatga tatctgagac 240
 tttcaaagaa ggtgccttgg attgcaaaac gcatcaactc caattttgtc tactgttgtg 300
 cccctttcaa tcttttacat gtgggccatt tgaatccttt ggataccac catcactcaa 360
 acatgaaaga atgcttttaa gacatggctt gtgaaacaac cactcaaaga acgcatccgg 420

ctggttctta gaaatgatga agccctgcgt gaagttctta caaccgatc gggttggttg 480
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<210> 9900
 <211> 534
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220106f10a1
 <400> 9900

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 acttcgttct gtgaagccca gaactttcca gcacacagaa ttatccacct ttccgtcagc 180
 tcgttacggc ctacccttc tccaccacct tcgccctaac gctgttaacg cacaacaaca 240
 acccgttacg aattcgatcc tcgccaatac aaattatttg tctccggttc acagcagact 300
 aaccgcaacc cacgaaccgg agaagaacct aatagccctc cgtctccagg agttggaaaa 360
 gcagcttcta gaagacaatg aagacgacgc cgtttcggtc attaccacca ccacttctga 420
 atggtcacac acaatacaaa acctaatac tccgcagaaa cccgcgtctt cgtctccac 480
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<210> 9901
 <211> 473
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220106f10d1
 <400> 9901

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 aattttttaa caatggggtt ccaaatttga aattttccaa gaatttttaa ttaaagagag 180
 taaaaagttg agttaacttg ttaacaccaa gcatatgcga cggggagagt tcttcccatc 240
 cagccaaagc aattcccacc gtttttttct ttaccggga cttgggtccc agcgccaccg 300
 tgtcgcgctt tgatcgaatc aacgactcgc tgactcaggg gttttaacct gaaccagcc 360

atgctttttac gcgcgcgcca tttcccaaac acctggcacc gttccacgcg gtcccttcct 420
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<210> 9902
 <211> 561
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220106f11a1
 <400> 9902

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 acaacttcaa ctctccaatc tctatcctca attcaaccct tttggtggca acttctatct 180
 atgctacaaa aaatgctgcg attgcacttc accaccgcac tctctcactt tgcttccaag 240
 gcctcacctt ttctctcac acccgtttcc gttaccgttt ccagagctat tgtttgcaac 300
 aacccaccca gggtcagatc gcaaattgggt tctttctcca cttgctcttc ctcttcctcc 360
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 gatgctcgc acccagaaaa acctgcactt ctgattgacc catctgatag gacagtagac 480
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<210> 9903
 <211> 431
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220106f11d1
 <400> 9903

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 attcaacaga aacacaggct tttctctggg acctaatgtg tattatatcg ggctcaaca 180
 cagataccat tttatttata tacaacttcc attttcctct tcattccata gggctattac 240
 aatttttccc ccttttgggt gcatgggctt tgcgtcaaata aacatctgtg tgggactctc 300

acataaggct tatgtagccc caccttgctt tggacaggac tggatcccgc taaccatatt 360
 tgctgggaca ggtatgacaa tcattttagg atacgacagg tttagatttc ccatgagggt 420
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<210> 9904
 <211> 544
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220106f12a1

<400> 9904

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 tttgggaaca gatgagaacc cgcacagctg ccactcccat tgctgcaccc caacagcacc 120
 gcacattacc aaggcttctt gtccttctca tctcttctgt ctccgtcacc tacgtcgtct 180
 acacgctcaa gctcgtctcc acctcacgcg cctgcaacaa cgacgcccct ttctccaccg 240
 acaacttctc caaaaccatc ctctccgtca atgccaccgc cgcagttctc cgccgagggt 300
 ccctcgagac gaatcccagag gaccggacgg acctccgcca cgtgggtgttc ggaatcgcg 360
 cgtcagcgaa gctttgggag cagaggagga gctacatcaa gttctgggtac agggcgaggg 420
 acatgcgcca gcgttgtgtg gctcgacagg gaggtgaaat cggaggagag cagcgacgca 480
 ctccgccggt gagaatctcc ggcgacacgg cgatgttcaa gtacacgaac aggcaggggc 540
 accg 544

<210> 9905
 <211> 338
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220106f12d1

<400> 9905

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 ccccttcccc gtgcgagccc gctttaactt tgaggtaaaa cacaaaatct ttttggccag 180
 gaggccttcc ccaatctcga ccctttttta ggaagccccg gggaaattta acaatatttt 240

cccagggggg gctcccccaa caaataagat atcccccttt taaaatcacc caaaagaaca 300
 cccccccccc aggggattct ttccggattt tttttttt 338

<210> 9906
 <211> 462
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220106g01d1

<400> 9906

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 cagcctatgg gatgctagct cccctggcaa gagaacttca atggaagatt tttatgagac 180
 aaaaattgat ggtgttgatg gtgaaattgt tggccttttt ggagtttttg atggccatgg 240
 tggtgctcgt gcctgctgag tatgtcaagc aaaacctatt tagcaatttg atcagtcac 300
 caaaattcat tttctgacac caaatctgca atagctgatg catataacca taccactct 360
 gaatttttga aatctgaaaa taatcaaac agaaatgctg gatcaactgc ttccactgcc 420
 atttttggtg gggaccggtt gcttggttga aatggtgggg ac 462

<210> 9907
 <211> 453
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220106g02a1

<400> 9907

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 acagattgga ctgcttctat ggagcagttt tttatagagc ttttgctgga tcagttgggt 120
 aggggaaata aagtggataa tggattcaat aaaaatgcgt ggacagatat gctagccatc 180
 tttaatgcta agtttgatg tcaacatggt agaagggttt taaagaatcg gttcaagaaa 240
 cggttgaaac attactgtga tataacaaat cttataaaac aaggcttttt gtgggatgaa 300
 caacaactaa tgcttttggc tgatgatgat gtctggaatg cttatgtcaa ggcacatctg 360
 cacgcaggaa catatagatc anaaactttg ncaactatcg tgatttagaa ttaatattca 420

gaaacatggc tgaaaatgag atcagtaatt tgc

453

<210> 9908

<211> 224

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220106g02d1

<400> 9908

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cctgatgtcc tgctgagaca tcttcaaccc aaaatcgtaa agaaaccatc cgtatccatt 120

tcccttgtcc agcccggatt ctggtttgag ttgtcaacac tcttaatat aaacaaactt 180

ctaattgttt caaccatata ctattttata gtaaaatcat ttgt 224

<210> 9909

<211> 570

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220106g03a1

<400> 9909

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acagaaccgg caggcgaagg tgacggtggt gccctccgcc gccgcgcttg tcatcaaggc 120

gctgaaagag cctgagaggg acaggaagaa gacgaagaac atcaagcaca gcggaacat 180

ctccctagac gacgtcgttg agatcgccag ggtcatgagt cctcgctcca tggccaagga 240

tctcagtga accattaagg agattctcgg gacttgcgtt tcggttgggt gcaccgttga 300

tgggaaggac cccaaggatc tgcagcagga gatttctgat ggagatgttg aggttcctct 360

tgaatgaagt tgctgaaatt tcagtggttt tttgttggtt cgtttatgtt gtttttttgg 420

gcaatttttg ttttttttcc tttttttaag gaatttgagt catagaatgt atgatatgta 480

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ttgcaaaaca ttgtcaattt aaggtgatcg 570

<210> 9910

<211> 505
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220106g04a1

<400> 9910

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agaaaacaca tgtggttctt tgtaaaaaa gttcaggaa atatgggatg aggttggtga 180
gagcgacgag caacgagaca agatgcttct tcagttagag caggagtgtt tggatgtgta 240
caagagaaag gttgagcagg ctgccaaagtc aagggcgag ctacttcaag ctctgtctga 300
tgctaagctt gagctttcca ctcttctatc agcacttga gaaaagagct ttgctggaat 360
tcttgagaat acttctggaa ctatcaaaga acagcttga gctatagcac cagtacttga 420
acagttatgg caacaaaagg aagaaagaat taaggagttc tcggatgtac agtcacagat 480
ccaacanata tgtggagaga tagct 505

<210> 9911
<211> 458
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220106g05a1

<400> 9911

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gccttctttg gcaccagctt gaagaagggt attgcctcaa gggccctaa cgtcaagatt 180
tcttctggaa gtttcaaaat cgttgccgag gaaaagaga ttgatgagaa acaacagaca 240
gacaaggaca gatggaaagg tcttgccctat gatgtttcag acgaccagca agacatcaca 300
agaggggaagg gtttggttga ttccctcttc caagctccac aggatactgg aactcactat 360
gcaatcatga gctcttatga gtaccttagc actggactta aacagggtcaa cttggataac 420
aacatggacg gtttttacat tgctcctgct attatgga 458

<210> 9912
 <211> 122
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220106g06a1

<400> 9912

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 ataagaaaca acaaatccca gtgcccgttg ctatcgaaat ggcctttggg caaccctttt 120
 cc 122

<210> 9913
 <211> 556
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220106g07a1

<400> 9913

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 actttttggtt actcatgtag aagatgacca cttaagctct ttctctcatt gcataactta 180
 attccacac atcaatttaa agacacttga ctgtgtatct ttgaaatgat tgataaaaag 240
 ataatgtgtg ccacaaatat ttgaagactc tagattcatg tcaattttct gactttctta 300
 ctgtgatacg tccaagttcc tcatatgcct caccttgagg attttcttaa taatttaagt 360
 ttgtgattta aatattgatt gtgggtttcta ctttacaac aagagtttgg catgtgctct 420
 aactagatct ttacggctta tttctttctt gggtcacat ataaacaatt gtgntctggt 480
 gcactttgaa atgaatgctt gatgaaatgg aatttcaagg ggacactgca ctacatatta 540
 gttcattggt gaaatc 556

<210> 9914
 <211> 540
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220106g08a1

<400> 9914

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 agcatctgat ctgaggacaa aaaagaaaat acttcagact gtaggggagc ggtggagaca 120
 atttaaagtc tattttgacg tcgaaatgag cacttgcaac tgacaaggaa agtgctcgatg 180
 acattgtatg cgaaaagtac gacattagca aggagaagtg ggcccaactt tgtcagaccc 240
 gcagagaccc ttcgtgggag gatgtgcgaa aaaagacaca ggccatccag aaacaaaaca 300
 ttgtccctca catgttgtct cgtgtgggtt atgaatatct agaaaacaag ttgataaatg 360
 agaagaaaca aaaaaaagtg gaggaaactg ctctatccag aagcactgac actgtgatta 420
 atcctccatc tcccatcaga cgacacatga agtgaaagat ggtccgcacc aagaaaactg 480
 gacaaatgac atctaaggca gctaggaaat tgctgacaag atgatttttt gagaagcaag 540

<210> 9915

<211> 535

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220106g09a1

<400> 9915

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 tccaccacc ggataaactc cttcttgga aatcggaggg acgagatcat gaggctcgtg 120
 caaaagcttg ctcgggactc gcgcaatggc ttcaccaaag tagaacttaa atccaggttt 180
 tcggagatga catttaacac tataatgagg atggtgtcag ggaagaggta ctatggtgaa 240
 gactgtgatg tgagtgatgt acaggaagca aggcaattta gagagatcat taaagagttg 300
 gtgacgttag gaggggctaa taaccctggg gacttcttgg ctttgcttaa gtggtttgat 360
 tttgatggtt tggagaagag acttaagagg attagtaaga gaaccgatgc gtttttacia 420
 ggactcattg atcagcatcg taatggaaag catcgtgcc aatactatgat agatcatctt 480
 cttgctcaac agcaatcaca acctgtatat ttcaccgatc aaatcatcaa aggac 535

<210> 9916

<211> 475

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220106g09d1

<400> 9916

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cttggcacat agcttctaag ggatattttt ttgacacagt aagtcccttt ccttcagtca 180
tatcaatttc ttttttagta gtccttttcc actcaaaaca ttggattaat aaggccagag 240
ttatgctcag tgtgcggtga gccatgtttg ctccagggca agccctcttc cctatcccaa 300
atggaagtaa cttgtttgct tcactttcat tctctaacct ctcaggctta aagtgtgttg 360
ggtcactcca caacttggga tctctatgaa tggcccaagc attctccaac aatattgtgt 420
tctgtgggat attatattct cctatggcgc aatcttctga agacaatatg gggtc 475

<210> 9917

<211> 514

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220106g10a1

<400> 9917

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ccaaccgat tcggatccga ttaggttctc tcggatcctc tccaccgcct ccttcgattc 120
ccaaatccac tccctcctcc tgtcttcgct cgagatccga gctaagcacg ggattcggat 180
ttccgtttcc atcgtctctt cttcaccagt tttgcgctta aatggcatca agcgaggggt 240
ttctgaccga tggacagaga gagattctga aaatagcgag tcagaatgtg gagaatttgt 300
cttctcgcgc gaaatctcca tcctccttgc ttgctgaaca tcatcatcac gtgagggctc 360
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actccgaaa gtatgggagg gcgaagaatg acggtgctgg tggtaaaggc acttgaggga 480
aattgcttga tacagatggg gaatccgta taga 514

<210> 9918

<211> 385

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220106g10d1

<400> 9918

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ggaaagaaaa gaaaaaacag attcaaagga tcatgagaag gccaaaccatc ccacagattt 180
atccacattc aggggaagct taagtgccac aacctttttt agagaaacaa tgaaaatttt 240
gtcctcctca taaagctggg gcagcccggg ccagtttagac atctggggca gtgggatcaa 300
atgatggggg gagcccgccc tctttcaagg catgctccaa atagaaactg aatttctcgt 360
tagcgtttgg aatgtccaga gcgag 385

<210> 9919

<211> 362

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220106g11a1

<400> 9919

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cccatactga agacatcata cggcacttca caaccgccta gtaaggacta ttgtgacctt 180
cctgtggcta gctgctaaaa tatgcttaac ccatatctga agacgtgacg gatgtgagac 240
tcctggctgg gtcaatgctc accctcttga aggcgtcgct gtccagggtc ctgctaacca 300
ggtcgaacct ggtccacttg gccctgttgc ttgtgggtgc cccctacacg aaccaccgtc 360
ca 362

<210> 9920

<211> 336

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220106g11d1

<400> 9920

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tgggaacatt ttgtggggtt gacacgtgca catccctgtc tgctattaag atcctcacca 120
 cgatgttgtg tccacaccta attattactg ccggaccatt aatcttcacg tgatctggga 180
 acgttaatag cagcttagtc ctggggccacc ggtcttttga tagggacgtg gctacatcgc 240
 ctcagacttt actgtttctg gaggccctt taggcttggt catgaccgaa aggaattcgt 300
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<210> 9921
 <211> 498
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220106g12a1
 <400> 9921

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 gtttctctca tcttggtggt tggagtggcc atagggtgtg tggtggccgt caacaagaaa 180
 ggcgaggatc ccacacttca atctcaacaa aaatcagtag gggttatctg ccaaaacact 240
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 ccaaaagctt acatcgccaa gtcggtgaaa gccaccatgg acagcgtgac cagggccttc 360
 aacatgagtg ataggctcat taccgagtac ggaggcttcg attacggaac caagatggcc 420
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 atggttcaca acaacaac 498

<210> 9922
 <211> 511
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220106g12d1
 <400> 9922

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cggactatga cctcatcat cacgctctgt aacagtactc aagcgatgat gcacggatat 240
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 ttgtacccaa gctatcacac cgttggctac acgctggctg aactgggcag gggcgatcg 360
 gggagctgcg tgggggcaa tgagtgcacg gtttcccgtg cacttgctcc ggccgtgaac 420
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<210> 9923
 <211> 451
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220106h02a1
 <400> 9923

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 gaaagctaaa attcaagaca aggaagggat cccacctgac cagcagagac ttatctttgc 180
 gggtaaacag cttgaggatg gtcgaaccct tgccgactac aacatccaaa aggaatccac 240
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 caagaccatc accctcgagg tcgaatcctc ggacaccatt gataatgtca aggccaagat 360
 ccaggacagg gagggtatcc ctccagatca gcaaagttga tatttgctgg gtaacaactt 420
 gaggatggaa agacccttgc tgattacaat a 451

<210> 9924
 <211> 482
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220106h02d1
 <400> 9924

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 ataataaaca gcagcactta aaccagagat gcaaagcaca agttcaaggg agacactgaa 120
 caaacagata agacatatga gaacacttca taaaagggat tccccttagc aaccaccagc 180

aaggcgaagg acaagatgca aagtggattc cttctgaata ttgtaatctg ccaaggtacg 240
 accatcttcc aattgcttcc cagcaaaaat gagcctctgc tgatctggag ggataccttc 300
 cttgtcctga atcttagctt tcacattgtc aatagtatca gagctttcca cctccaaggt 360
 aatggcttcc cctgtcagag tcttcacaaa tatctgcata cctccacgaa gcctcaacac 420
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<210> 9925
 <211> 461
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220106h03a1
 <400> 9925

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 gaagatgggtt gagcttcgca gcagcagcag cagcaacaac cactaccaat ggtggggcca 240
 tggaggaggtt gctttcacag ctccaatctc atgtccagaa ggctcttgct ggtggaggac 300
 ccgaggcagt gaagaggaac acgagtagga acaagtttct gccccgtgaa agaatcgatc 360
 gcctccttga tcccggttct tccttcctcg agcttttaca gcttgcagga cattacttgt 420
 atgaagaacc tttgccttct ggaggggggtg ttactgggat a 461

<210> 9926
 <211> 584
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220106h04a1
 <400> 9926

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 tcaacactaa ttttattatc tgaaaaaatg gctttcaaag tttcgttttt ccttgcactt 120
 gttctagttt ccaatatcct cctccttgat acaacagctg ctggacgcag cattggcgaa 180

aactccaact cagaggaaaa gaaagagcct gagttcttgt tcaagcatga aggtgggggtg 240
 tatattccag ggattggacc tgttggattt ccacataaat ttcattctcac acctcaaaat 300
 ccattacctg gtggcaatgg aaatggagga gcaggaaccg caacaggatc acggatcacc 360
 accaggtagc agttatgttc ctggtggtga tgacactttt gtcccaaacc ctggttatga 420
 ggttcccatt ccggcagtgg ggaagtgttc cagcaccagc tgcccatgag ttaactcatg 480
 catgataatg tgatgcatgg tagttaatag gtgggtatgc ttagtttgtc tttttcttct 540
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<210> 9927
 <211> 464
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220106h05a1
 <400> 9927

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 aagcagtaat ctccatgagc ttctattgaa ttgatacttt gatcaagatg gatgggaaaa 180
 actctcttca aataactaga agtgggtattg gtgcttatga tgatgatgga catgccaaaa 240
 ggactgggaa tttgcagagt gctgtagctc atatcattac tgctgttatt ggttctggtg 300
 ttcttttctc tgcatggagc acttcccaat taggatggat tggagggcca ttttcttgc 360
 tttgttgc aattgtcacc tatatttctt cattctctct gtctgattgc tacagaactc 420
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<210> 9928
 <211> 441
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220106h07a1
 <400> 9928

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 ctacactgct acttcttctt atattcaact tgaagggact aattgggtta ggaacttatt 120

gctgacagga tgcctctttt gtggccccct attccttatg ttctgtttcc ttaacaccgt 180
 tgccattgct tatagtgcaa ctgctgcctt gccatttggc acaattgtgg tgatagtcct 240
 aatatggaca ttggtaactt caccattgct tgtgttgggt ggtattgcag gtaagaatag 300
 caaaactgag ttccaagcac ctgtccgcac tacaaaatat acccgagaga ttccacctct 360
 gccttggaca ggagtaccat tccccagatg gcaatggcag gatttcttcc ttttagtgcc 420
 atctacatag agctgtacta c 441

<210> 9929
 <211> 532
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220106h08a1

<400> 9929
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 ccagtagcag cagcatcttc agattcaatc aagccaagag atgtttgcat cgttgggtgtt 120
 gcacgtacac ccaatgggtg gatttcttgg tactctgtca tctctatctg ccaccaagct 180
 aggctctata gctattgaag ctgctcttaa aagggccaat gttgatccat cccttgtgga 240
 agaagtatct tttgggaatg ttcttagtgc taatttgggg caagctcctg caagacaagc 300
 tgctcttggg gcaggaatat ccaattcagt tatctgcact accgttaaca nagtttgtgc 360
 atcaggaatg aaagctgcaa tgcttgctgc acagagtatt caattaggca caaatgatgt 420
 ttgttggtggc tgggtggtat ggaaagcatg tctaattgtcc ccaagtacct ggctgaagca 480
 agaaaggatc acgccttgga catgattcac tttgtgatgg gatgttgaaa ga 532

<210> 9930
 <211> 572
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220106h09a1

<400> 9930
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ccagaagatt gattacttaa aggacaagat tcagccctcg tttgttaaag agcgacgggc 180
aatgaagaga gaatatgaag aattcaaagt acggatcaat gcccttgtag ccaaagctca 240
gaagatgccca gaggaagggtt ggacaatgca ggatggaact ccttggcctg gaaataatcc 300
tagggatcat ccgggaatga ttcaagtgtt tttaggtcat agtggggggc tggatacaga 360
tggaaatgag ctgcctagac ttgtttatgt ttctcgtgag aagcgaccag gcttccaaca 420
tcacaagaag gctggagcta tgaatgcttt gattcgagtt tctgctgtct tgaccaatgg 480
tgcatactct ctgaatgtgg attgtgatca ctatttcaat aatagcaaag ccctcaagaa 540
gccatgtggt tcatgatgga tctgttctt gg 572

<210> 9931
<211> 476
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220106h09d1

<400> 9931

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tatttaaggg gttgaatcct ccaaacaact tcaataggct gaaaattctt ggtatattca 180
cgacatcaac cttgtgtatc tccaagcata agggaattac agcactaaat gaatcataca 240
tgagaactaa cagttgatgc cacattgacc attgggtaat ttgttggagt ctgaggtgaa 300
gggatcaatc ctcaccaca gcaaggagac tattgaagca agaagaacgg tccatacaat 360
aacattgggt ggggtacgac tttgcctgcc caagagaccc ttcaagaatg ggtatagatg 420
ggcaatgacc cagattgcat aaaacatctc gccaaatagt ggacccaac actggc 476

<210> 9932
<211> 552
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220106h10a1

<400> 9932

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caggctcggg cttcaagtcc cacacgcacc accgcaaggg ccttgcccgc ttccggagcc 120
 tggatttcgg agagcgcaac ggctacctga aggggtgctgt cactgacgtc atccacgac 180
 ctggccgtgg cgcgcctctc gctaaagtcg ccttccgccca cccgttccgc tacaagaagc 240
 agaacgagct cttcatcgcc gccgaggggtc tctacaccgg ccagttcatc tactgeggca 300
 agaaagccac cctcgttggtc ggcaatgtgt tgccctcttcg atccattcct gaaggagctg 360
 tcatctgcaa cgtcgagcac catgtcggcg accgcggcgt cttcgctagg gcgtctggag 420
 actacgcat tgttatcagt cacatccctg ataatgacac ctctaggatt aagctcccat 480
 ctgggttcaaa gtagattgtt ccaagtgact gtagggccat gattgggtcaa agtgcattgtg 540
 gagggagaac tg 552

<210> 9933
 <211> 415
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220106h10d1
 <400> 9933

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 tgaaaactcc atatgttggg aagaaattgg ctctgaagaa ggtgcccaaa tagtctaaca 120
 aacaaactat cagataaaag aaaaacaata ctgaaaaact tgcaatcaaa tatattatcc 180
 ctaacatcgt tctctttaag ccttatcagc cttggcagca gttgcagcag cttgtcctct 240
 aagacgacca gtccctcctag cagcaatgag accaacctct tgtgcaggag gagcatcacg 300
 cctgacagta cttgcgtgac caatatgctg gtgattacct cctccgtggg gatgctcaac 360
 aggggttcatt gcaactccac gaaccttggg ccagcaattc ctcttcactc tgaac 415

<210> 9934
 <211> 547
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220106h11a1
 <400> 9934

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tgatttttga gctacgattt cacaccgcat tgccaaacat gggtgcttca gagtctactc 120
 tctcaagcgg aaagacgcct gatgacaaaa tctccaccat aaccgagcgg tcggaagcct 180
 ctgaccctat cttggagcgc cttaaataac tcaaaattac accgtccata ttgacctcac 240
 cccaacaga ggggacttta actgatattt tagtgaggaa gccttcgctg tcttcagttt 300
 cagtcaatcc gaaggttata ctggagctct tctcaatata ccatgattgg caggagaaaa 360
 aggcccaaga gatttgcatt agacaggagg aaatagaaaa caaaattgaa gttgcagatg 420
 ctctagcgat caaacttctt cagcgatata atcattcaac ttctacaatg aagactgcct 480
 cacaacatct attcggaggt aattatcaag cacagttcat gcaatatttg gtataccggg 540
 attctca 547

<210> 9935
 <211> 335
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220106h11d1

<400> 9935

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 aagtccttct cattctggtc aaaccggca aaaacaaggg gcacacgctc aagctcattt 120
 tctcctcacg cgctgcctc ttcttctccc gtttctccac cgacttcttc tccaaaaaca 180
 tcctttaaaa aaatgccacc gccgttgtaa taaaaccccg cccactaaa aaacaaatgc 240
 cgaggatccg gacagacctc ccccccggt gttaagactc tctttttttg cgccgctttt 300
 ggagcaccag acccacttct tctgctctg gtaca 335

<210> 9936
 <211> 557
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220106h12a1

<400> 9936

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eggctgaacc tegccgtcta cggcggcgga gctgtttgtc cgacgtcctt aggagacaag 120
 ccgtcgtcgg gttggaactt gcgctgtggt cgaagtgttc atagattaag aagagtgatg 180
 gatgaggcag aggaggagca gcaacgtcgt cgtttaaagc ttgaagaggc ccttgaaatc 240
 caatccctca gacgcatcat tagtgcttac ctcaactatc ctgatgccgc agaagaagat 300
 gttagaagat atgagatggt cttataggaa gcttccacct tcccataaag ctttgttatc 360
 ccactattct cgaaagtttc aaagattacg cctgggtgat ctcaatgaat acacatttca 420
 tatteggcat gttcatgca tttgaacctc cacttgacat gagccangac gtagattttt 480
 gtgaaagatc cacatcctga atcgacccaa aaagatcatt tagtttctga agggattaga 540
 gccggttcat gtgagtc 557

<210> 9937
 <211> 459
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmf102220106h12d1
 <400> 9937

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 cattctacga gctgggtccg caaaaaaaca agttgcatct ggagacggtg ctcccactcg 120
 gctggtacgc ctgggttgct caccgagcgc taccgctca gatggaaaac ccttcccccc 180
 gtggtgcacc ggggtgatgc gtttcgggct ttgccacggg acgtggccct gccccgggtc 240
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 tgcggttatt tagccgagca gtcattcgtg gcgcgatgtt gagtccgtga ctggtttctc 360
 atattgatga tacctccatt gacgaacggc ctaactcaga gacaacatcc aaaactgcat 420
 gctgtctact tgtactgata tgtgggtatg gctgcgtag 459

<210> 9938
 <211> 591
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmf102220108a01a1
 <400> 9938

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 atgcagtatc ccaattttac ccctccttta cctactgtat cttctaattt gcctgaatta 120
 ccatcatctt tgctgcctgt gagtgctggt acccctagta taccatctgc ttccttgctt 180
 ccatctaatt tgcctccagc accttctgct ttacctcctg ctccatcagc tttgcctcct 240
 gcaccgtctg ctctatctcc tgcattctct gctttatctc ccgtaccttc tgcaaacatt 300
 gcttctgaaa atttgccagt atcagtaaca aataaggcac ccaatgtttc aacttcagca 360
 gctatgtag ctgctaactt gccatcactg accatttctg gtccagatat aaatgctata 420
 gtgccacca tctccagcaa accgcatgca atttcagcct ggaccaagta tagtttcttc 480
 agctcagcct tcacaagcac ctcataagga tgttgaagtg gttcaggat cgtcaacatc 540
 atctctgag ccatctgtgc cagtttctgc tgaaactcaa ccaccaatac t 591

<210> 9939
 <211> 417
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220108a01d1
 <400> 9939

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 ccaaaccaag tgactttggt aaaggagcaa cagcagggtt ccgtagcttg ataatagtgg 120
 actacttatt ctgcgaagcc aaacatatca caggctacac accactgaag cattatatct 180
 aacatagtta cgatgctatt aggggaggct acctaggctc ttgttctcca ccatgtccat 240
 gactaagcat taactgccac ctacatagtg ccaactgggca tgccacgtcc actccctcgt 300
 gcattatagc cgtaccctcc tactatttca taataaccat cttgggtacg tacaccacgg 360
 tcagggccac ggacctcacg agcaccacgg ggctcccaa gaggaccata cgtgtca 417

<210> 9940
 <211> 569
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220108a02a1
 <400> 9940

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 acggtgacac tggcagagtg gaatttccgc cgccattcga agctacagcg atggccataa 120
 ccgccaccat ttccgttccc ttcacatccc ccagtcgccg cactctcgcc tccgtcaata 180
 gcctctctcc gcgtttctacc cgatccaatt tgcccacacc gcaacgcact ttcaaatacc 240
 ctaattcgcg cctcgctcgtg tcttccatga gcaccgaaac agccgtcaaa acttcatccg 300
 cctccttccct caaccgcaag gagtcgggt tcttccattt cgccaagtac cacggcctcg 360
 gaaacgactt cgttttgatt gacaacagag actcctccga gcccaagatc agtgctgaga 420
 aagcgggtgca actgtgtgat cggaacttcg gcgttggagc tgacggagtt atctttgtct 480
 tgcttggcat cagtggcacc gattatacca tgaggatttt taactctgat ggtagtgagc 540
 ctgagatgtg tggcaatgga gtgcgatgc 569

<210> 9941
 <211> 431
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220108a02d1
 <400> 9941

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 tcatacaaat attattcagc aattcctaatt tccatattgg gttaacaat gggggccacc 120
 tattaaaggg gggaagatcc gtaataaact acatcggctg accctggcag tataaacatg 180
 attatcttcc tccctccatt caatctgaag aggtcctcca gagagatcaa ccgtgcaatt 240
 cctctccagc acgacctca agaactggtg caacaacagc tggacaagct ccaattccac 300
 aagctagggg tggctctgct ccccgctccc agacacccat tttcaaggga gaattaaacc 360
 acacttggtc caactctgtg ttaattcctg cagggaacac cccatgatgg tcaaactgtg 420
 ggccaatttt t 431

<210> 9942
 <211> 584
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220108a03a1

[illegible]

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<210>      9943
<211>      419
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220108a03d1

<400>      9943
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<210>      9944
<211>      587
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220108a04a1
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<400> 9944

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acaactctca gcaacatgca caatcctccc ccgccaggcg gtccaggccc tcaccaccac 180
cccggtccac cggtccgcc accacatgct catccatctc ctccgctcc tgggcctcca 240
caccaccacc acggcccacc cgcccaccg catgcttacc caactcctcc gcctcctggg 300
cctccacacc accatcccgg cccaccgaa ccaggctttc atcaacacca tggcccaccc 360
gggcccacgt atgctcatcc aactcctccg cctcctgggc caccgggacc tccccctcca 420
gggcctccac accaccaaca ccaccgttgc tgatgtaatg catatggagc ttatgaataa 480
cgatcctaca tatatatgat gtaatgttga atgcttttta atttctgaac actttatata 540
gcaagggcaa aatttggttg tgtcactaaa taaaagcttt gtagttc 587

<210> 9945

<211> 473

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220108a04d1

<400> 9945

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actacaaagc ttttatttag tgacacaacc aaattttgcc cttgctatat aaagtgttca 180
gaaattaaaa agcattcaac attacatcat atatatgtag gatcggttatt cataagctcc 240
atatgcatta catcagcaac ggtggtggtg gtggtgtgga ggccctggag ggggaggtcc 300
cgggtggcca cgaggcggag gagttggatg agcatacggt ggcccggtg ggccatggtg 360
ttgatgaaag cctggttcgg gtgggcccgg atggtggtgt ggaggcccaa taggcggaag 420
agttggataa gcatgcggtg ggccgggtg gccctggtg tggtgtggag gcc 473

<210> 9946

<211> 382

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220108a05a1

<400> 9946

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aaagcctggg gttcttgaga ggttttaga aaacaaagac cacattgccca aattgcgtgc  120
atgctttgca ggatttgga gtttgaaga ctcgatatt gctaaaaaag caattgaaaa  180
tccagagtta tttgtgatga agcctcaaag agaaggagga ggaaacaata tttatgggtga  240
tgagttgagg gaaacccttc ttaaattaca ggaagcaggt tctgaagaag atgcagcata  300
catccttatg cagaggatat ttccagccac ttctccagca attttgggtgc gtgatggtaa  360
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<210> 9947

<211> 476

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220108a06a1

<400> 9947

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cttttcatcg catcttgagt ttgcaacctc gtcttgtgat ttccatggag ggtgctggga  120
tggaagagaa taatattatt aatgatgatg ataataataa caagtctgag ggcgatttga  180
cttctgccgc tgcttttgtg gaggggtggaa ttcaggacgc ttgtgatgat gcttgcagta  240
tatgccttga agcttttctgt gatagtgatc cttccacggt gacgagctgc aagcatgagt  300
ttcatcttca gtgcattctc gaatggtgtc aaagaagctc ccagtgcccc atgtgttggc  360
agcctatcag tctcaaagat ccaacaagcc aagaattact tgaggcagtg gaaagagagc  420
gaaactntan gttcaatcca tctaaaaatg ccacaatatt tcatcatcca aactg       476

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<210> 9948

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220108a07a1

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 aagatgatcc tacagcagct ccaaaggcac cggattaagg gacgaagaaa ggggtgcctga 180
 acaggacggg aggacctgca aactcttaat gtaactacgg acgagttacg catagcacat 240
 ggggaagatg ggtacatgag attag 265

<210> 9949

<211> 515

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220108a09a1

<400> 9949

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 tgggtgtaggt tgtgtaaaag ggtatctcta tttatagagt ttccattgtc tctggaggca 180
 attttcgacc ttaggtgtgt tttggagagt tttttttttt ttttgtgttg tttagttgtt 240
 gaggttggtt ggtttgtgag agagagaatg gtgggtgctc tatctgttgt gggatcatca 300
 gtaatggact ctcacactgg cccttgtttg tgtgtggatg ctctcccaac aacaactagt 360
 gtcaatctca agagtgggtg agatgttgtt ttgtgcaaga atttgatggg aaggaagcat 420
 aatttggtga agcatgggtg tgggtgtgtg aactacaatg aagttgagca gttcatttgt 480
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<210> 9950

<211> 577

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220108a10a1

<400> 9950

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 cttctgcaat gttccatgcc cctcgtctct ctttccaatc gagctctggt acccgttacc 120

aggatctcca acccaagttc agtttccctt tcaattaagg gaagaagttt cccatccgtt 180
acattgcagc ccagagggcg tcggtttcag cttagatgtg cggcaaaacc agagacagtg 240
aagaaggtgt gtgacatagt caagaagcaa ttggcactgc cagatgaatc agctgttact 300
ggagagtcta aatttgctgc gcttggagct gattctcttg acacggttga gattgtgatg 360
ggacttgagg aggaatttgg tattaccgtg gaagaagaaa gtgccagag tatcaccacc 420
gttcaagacg ctgctgatat gatcgataag cttcttgaaa ccaaagctta aactagtaaa 480
aaggacaagc atgtcccatt tagagttttt tgctatgtcg acggaagggg tttttaatct 540
ttatcttttg tattacaact ngattgtcta agtaact 577

<210> 9951
<211> 540
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmf102220108a12a1
<400> 9951

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gctttgtata tcttttagtg gataaggata caacagcatg cggtggtggc ttagtctctc 180
agttgatgta taccgcaaag tgatttcctt gaatctgtat tgcaaagtta ttctgtaact 240
cttaagtccc ttttgatcaa aaaccttttt caatcatctc actcatctat tccttgcctt 300
gaatcaatgg gatccaattt ttttggtgtt gttccttggt atgtccgtca gattagctga 360
aaacccccac ccctatcttg tttcaaacct cttattttca atcagcctct tttaacattt 420
tagttgtcat tagtttctag ccattttctc tttggtggtg tttgtagaca agtcaaatta 480
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<210> 9952
<211> 559
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmf102220108b01a1

<400> 9952

gcacaatcaa gagacaacaa atttccatcc ttgagatctt ataattctgg cagtttagtt 60
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 cccagaccac ctggtcctac aagatctgtt agcatggacc tctccaaggc accactggaa 180
 tcagcttcat ctgttgatct ttttcagtta ccagcagcac catctcaagc tccaacattg 240
 gatttgtttc aatcatctct ttcacgga gatccatctt tcaacgagaa tcaacttagt 300
 caaacatccc atcttgcac tattgatttt ttttccgatt tttctcgcga gccttctact 360
 gtaacctcag atgggaaggc actggaatta tctgtcccta aaaatgaagg atgggcaact 420
 tttgatatgc ctgagagaac ctctctact gcacaagtgg aaattccaac cactgtaccc 480
 tcaaagcta aatctttaga agaaaatttg atccattntc tacctcaaat gcaaacatgc 540
 aatggccatc ttttgatat 559

<210> 9953

<211> 525

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220108b01d1

<400> 9953

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 aattacaatt atattataat tatgaacaaa gtgaaaaata ccctcaatag tctctcagta 180
 aagttcaata ccagccagat cactaattaa acatcaagaa aactatcact caattacagt 240
 attgcaaatg catgatctgg ccggaatata tatggggggac taaaaattgc aaggtggtcc 300
 tcaagtggaa gcgaagtgat gaactacatt ttgctcttaa caaaacatta caattacttc 360
 cacgtcaac tgcaactggc gccataaat ttctatgaaa aggaatagta cattctacag 420
 cacaatccta tgcaaaagga tttncggga tcgaatcaac tgattccggt tcttgatgt 480
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<210> 9954

<211> 508
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220108b03a1

<400> 9954

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 atggagaagg ttgcaaagac tgtggagggtt gaggagttga cggaggaggga gaggaatctc 180
 ctctctgtgg cttacaagaa cgtgattggt gcgaggaggg cttcgtggag gatcatatcc 240
 tccattgagc agaaggaggga gagcaggggc aatgaggacc acgtggccat tataaaggag 300
 tacaggggca aaattgaggc tgaactcagc aagatctgtg atgggatttt gaacctcctt 360
 gagtccaacc tcattccttc cgctgcatct cccgagagca aagtctttta ccttaaaatg 420
 aagggtgatt accacaggta ccttgctgag ttcaagaccg gngcagagag gaaagaggct 480
 gcagagagta ctttgcttgc ttacaaat 508

<210> 9955
 <211> 417
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmfl02220108b03d1

<400> 9955

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 aattcattaa taccataatc ccactatggg aggccacatt ggatccatat tatggggaat 180
 acatatccaa tcaactacca cattggaact ggcacggct attcgctgg gtggtgctta 240
 aatgtttcct tgatctcatt tccaacatcg gccgggatgt ctggtgtccc caaagccaaa 300
 ttgtcccggg aaagttgcct gaacaatgga ctatctttgg atgacccttc cccaatggg 360
 gcaagctcgg aaattgcctc atcaaaagcc cgcttgggaa gattacaagc acgatct 417

<210> 9956
 <211> 443

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220108b05a1

<400> 9956

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 aatcgttcta atccacaaaa aatgacctta aattacaaca ttgccctcgc cttctctgcg 120
 gtgctcacgc tgctcctctt tcccctactg accgtagggg agctcgtgga ggagcagcca 180
 ctagtctca agtaccacaa cggccagctc ctgaagggcc gcatcacctg caatctcatc 240
 tggtagcgga ccttcacccc gatccaacgg tccataatcg tggactcata aatcttcggt 300
 aagcagcgcg ccaaacgcgc tctatcccct cgaccgccac ngtggtggaa aaccacggag 360
 aagtacaagg tgggaggagg gatcccctgc gcttcgtcgt agggatgcac gttcctacac 420
 ccggcttaca cgctaggga aaa 443

<210> 9957
 <211> 332
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220108b06a1
 <400> 9957

cttcatttcc tggttttggt ttttctatgg tctgccttt ccacacaatc cactatagtt 60
 tcttctatac cttccttggt gatctgtcac tatgacttcc tcaactcgtga agatccaagg 120
 cgaacaggtc ctcaccaacg attttcagga cctttcaatc aaagatctga gtgagaaagg 180
 gactgaggca gagattcaca aggtgggggc ttatggaagc catgggggaa tctgtgctat 240
 ctgcttggat aagatagtgc tgcaggaaac tgctcttgta aaggttgcga gcatgcttac 300
 tgtgtaacat gcatccttca ttgggctaca ta 332

<210> 9958
 <211> 402
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220108b07a1

<400> 9958

ggcagaaagc aagctcatcc tagagtttta aaaatggcag cagcctcctc catggctctc 60
tcttccccat ccttggctgg caaggccgtg aagctgggcc catcagcccc cgaagtcggg 120
agggtcagca tgaggaagac cgtcaccaag caggcctcct ccggaagccc atggtacggc 180
ccagaccgcg tcaagtactt gggcccattc tctggcgagc ccccgctcta cctcactggc 240
gagttcccag gtgactacgg ctgggacact gctgggcttt cggccgaccc agaaaccttc 300
gccagaaacc gtgagctcga agtgatccac tccagggtgg ccatgctcgg ggccttgggc 360
tgcgctcttc ccgaactgtt gtcccgcaac ggggtcaagt tt 402

<210> 9959

<211> 541

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220108b08a1

<400> 9959

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tateccagga tatgtgtgtg ttcttatgaa ggttgacagt ctaaggagtc tatagatttt 120
atgctgcagc ttcattagat accaattttg gtgaattttt cttgataact tgttcttgga 180
tttttgtttt gtgggtgtga tgaagatggc tatgggtggc ctaatttccg gtgctgggtg 240
tattattgtt agtttctttc tgctgattct ctgtggcatg gtttgtggga ctgagagtga 300
tttattctgc ttgaaaagtg taaagagtgc acttgaggac ccctacaatt atttgcaatc 360
ttggaatttc aataacaata ccgaagggtg tatatgcaag tttattgggg tctgagtgtt 420
ggcaccctga tgagaacaag gtcttgaatc tcaaactttc caacatggga ctcaggggcc 480
gtttccttcc ggcattagaa ttgcacaagc atgacaggat tagatttttc gcttacagac 540
t 541

<210> 9960

<211> 572

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220108b09a1

<400> 9960

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 atttcagagc gatcaaaatg gcagcaaaga aagcatggag aatcattccg agaccctccc 120
 taaaaacccat cctcaacaac cacgtgcagc accaccgctt ccctcaactc ctcccttcttc 180
 acggccccag aggcgttggc aaaaccaccc tcattaacca acgtttactc ccagaatgga 240
 acaaaggccc tcacatcacc gggttatgtc actttgccga atccatcaaa gcccatcacg 300
 gcccgtaggc ctgctgggtc acctgccctt tgccgggtct ctccgaatgc cgcaaaaccc 360
 ttgagcaatg cctggagtc atggccgaga ggggcgtccg tgcaggcacc atcacctccc 420
 aacaaatatt cgctaccctc aacaaatggc acggcctgac caccgccctc cgccttgtgc 480
 tgcagggcaa gtcccgtgtt ccggaccggg ccttcccgtg gtgttatggg accgcgctgt 540
 gttcgccatg tctgttcaat gcaactgcttc tg 572

<210> 9961

<211> 563

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220108b10a1

<400> 9961

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 agatcctgag gcaatcataa cacaagccct tcaaaccggg ggaggaccaa atgtatctga 120
 tgcttacaca attaatggac ttccagggcc attgtataac tgctctcaca aagatacatt 180
 caagttgaag gtgaagccag ggaagattta ccttctacgt ttgatcaatg cggcactcaa 240
 cgacgagcta tttttcagca ttgcaaata caccctcaca gttgttgaaa cagatgcagt 300
 ttatgtaaaa ccttttgcaa ccaacacccat ccttataacc ccaggccaaa ccactaatgg 360
 ttattctcaa aaccaattct cactaccca atgccacatt cctcatgact gcgagaccat 420
 atgctactgg ccttggcact tttgacaaca caactgtggc tgccatattg gaatacaaaa 480
 ccccatcaaa tactcaccat tcagctgctt cactgannaa ccttcactc ctcaaacct 540
 ttctncctgc actcaatgac act 563

<210> 9962
 <211> 496
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220108b11a1

<400> 9962

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 actctgatca gaagaagcct atttctaaaa ttcagaaaga gcggcaaaat ggtgctggct 120
 tgagtaataa aaaaagatag gccatctcca ttgccagcta aaagaccct agataatagt 180
 gattccttgc atgcctctgt taagaagcca aaggctctcag atccagttgc atctatcaaa 240
 actaagccag tctcggtgaa acatgagctg aaggtagagg atgatgatga tgatattcct 300
 atttcccaga gaataaagaa atcagccatg tcaggtgata aatcatctgc caciaaagaag 360
 ttgctgacaa aggttactaa agttaataag tctggttcaa aaccttttaa gaaacagata 420
 aagaagacag ttaaaaaatc ggcagtggtt cagaatattc caaatctaca aagcttcttc 480
 ctagctctgg tgatgg 496

<210> 9963
 <211> 431
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220108b12a1

<400> 9963

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 gtaaccgctc tctcgccctc gccagatttg attggatcgg cttcctgcat tcttggaactc 120
 gggaaattag gaccagaaac agttccccaa atcttgcttt ttgtctggct cttgtttcta 180
 agtcgttaat gtcagcgcag cgaactaatc tctggcaagt tgattgtggc aggggagagg 240
 aggggttcaaa actgggcagc atataaactt ggattacca ttttggcggg tgtccctttg 300
 tcattggaac catggagata gtggatctga gtgtctaagg taagtccgag gtagagtgc 360
 agcctatgct gtatctgctt tgtaacataa gattgacgga ccatggaagc caatggaatc 420
 gctcatgata g 431

<210> 9964
 <211> 406
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220108c01a1

<400> 9964

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 aaaggaacta cacaaccttc tttcttctca tgattttcgt cttgttaatg cttttgattg 120
 aaggagggac tgcaattgct atatttatca ggtgctttgt tgataggagg ggaatagaaa 180
 aagagcttca gaggaagctt tatgtagatt ttccaagaag agttcttgcc accatatgtg 240
 tattttcttct cttattgaca gcgtatagtt caacagcatt gggacagctg ttcttcttctc 300
 atgtgggtct catacgaaag ggaatgaaga cctatgacta tattctagcc ctgagaaaaag 360
 aaaacgaagc aatggatttg gaatcattgg atgattctga tttctc 406

<210> 9965
 <211> 354
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220108c01d1

<400> 9965

ggggaaaaga accggggccgg gtttgccctt atttgaaaat ccccgaccc catggccccc 60
 cccctcccgg ttcactgggt agttggaccc taaattcccg gtctaaaaat taaacaaaa 120
 cccctgttcc ctagggattt accccccctt gttttaattc ccggggatcc atgttttttg 180
 gaaaacgccc ctttcaccca cttttttttt tgggggggga atgccacctt ctaaaaaacc 240
 accttggtta tcttggggag ggggcgctat gatttttgcg ggcccccgca ccctacaccc 300
 gccttggaat atgtgtgttc agccccctgg gccccccctt ttatttcaag gcca 354

<210> 9966
 <211> 602
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220108c02a1

<400> 9966

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 ctggcgccat ttgcagcttc aaaactccat ctttatTTTT cttctctcct tccattatta 120
 gaaacaccct catggaatca gcagcaacag cattgaacaa catcatcaac aacaacaaca 180
 ctgttcctgc agtgtcgcca ccaccaccac caccaccatc ctcagagcct cagccaatga 240
 acatgaatgt caacatgaac atgaacgtgg tcaacaccac agaaggaaca acaccaacac 300
 caacccaac aacaatgggt cccccaacaa caatgggtgt tctgcagtg ccagctccaa 360
 caacgacaac attagcagta gcaacaacaa caccaggag tttggatttg tttgggaaga 420
 agaagagagg gaggcctaga aagtatgatg cagatgggaa cctgagagtg agtgcaagac 480
 caacaccaac accaccatcg ggttttactt tgtccacacc ttctgagtac tcttcttcca 540
 aaagagagcg cggcanacac tacaacacaa ctntngcaa caacagctac caacaacaac 600
 tc 602

<210> 9967

<211> 457

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220108c02d1

<400> 9967

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 gtaataagaa aaaataatga ggccttaata ataataataa tcctttctaa tttctgacaa 120
 ctgtacatca tgatcatataa ccagtagtt gtcacgacag atttccggtg ttagtttcat 180
 tcattactac catgtcagcc tctgcatcac ccttgttcta ttcacgtggc aaagatatgt 240
 tgatgtctgg agaagtcctc tggctgaat attcctcaga accattccaa gtagcagcag 300
 catcaggagt agcatctagg ttctgtttgt cacttgaaac actgatagat tctctctgg 360
 tttggtctgg aatctgatag ataggtatag gtatcagaaa gttctcacca tcagcagcat 420
 ttgcttctga gataggtatt gctgctgtca ctatttc 457

<210> 9968

<211> 461

<212> DNA

[illegible]

<400> 9968

<210> 9969

<211> 576

<212> DNA

<213> Glycine max

<400> 9969

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ggaactgact	atgggtgcata	cacttatgag	aatcttgaga	gagagcctta	ctggccatca	120
gagaagctta	agatttccat	cactgggtgct	gggggtttta	tcgcgtcaca	catagctcgg	180
cgcctcaaga	cagaggggca	ttacattatt	gcttctgatt	ggaagaaaaa	tgagcacatg	240
actgaggaca	tgttctgtga	tgaattccat	cttgttgatc	tcagggtcac	gaataactgc	300
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ggttttattc	agtctaacca	ctctgtcatt	atgtacaaca	acacaatgat	tagcttcaac	420
atgattgagg	ctgccaggat	taacggcatt	aagaggtttt	tttatgcctc	tagtgcttgt	480
atctaccctg	aattcaaaca	gttggaaact	aatgttagct	tgaaggagtc	tgatgcatgg	540
ccagctgagc	cacaagatgc	atatggggcta	gagaag			576

4548

<211> 432
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220108c05a1

<400> 9970

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 acgacaattc actcaccctt tcatttgaac acaacttaac ataaaaaaat atccaagaca 120
 agagtgtgtt gtttgaattt gaacggaaat tcaatttctt cctctcccat ttcagtgtctc 180
 acaaacaaaa accgatgcaa aatctcaaaa cccagagag agatgtctga cgcgttctgc 240
 agcgactgca agagacagac cgaggtggtg ttcgaccact cggcggggga cacgagtgtg 300
 ttccgagtgc ggactcgtct tggagtctca ctccattgat gaaacctncc agtggcgaac 360
 cttecggaat gagttcggcg acaacgaccc tgtccgtgta cgggtgggctc accaaccgcg 420
 tactaaccga cg 432

<210> 9971
 <211> 490
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220108c06a1

<400> 9971

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 ctcttttctt ctccgcgact ctgtactcat caatggcgac gcaatcgta gacgaagaaa 120
 caactaagaa agtcatacga caggtcgagt tttatttcgg cgacagcaac cttctcaccg 180
 atggtttcat gaggaagagt atcaactgaaa gcgaagatgg catgattagt ttggcgctga 240
 tttgctcgtt taatcgaatg cgaaaacacc ttaatttggg tgatgttaag cccgatgaag 300
 tggcccaaga aaccgtgaat actgttgctc aaactttgag aaattcggct tcaactcaagg 360
 tctccgaaga tgggaaaaaa gttggcagga aaactgaact tccaagctag aagatgttga 420
 gcaggtggag ataagaacac tngctgtatc accatttgat atgatctgaa gctngaagat 480
 gtggagaaat 490

<210> 9972
 <211> 558
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220108c07a1

<400> 9972

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cctttgaatt ttggtgtcct tttttatcaa tcaaggccaa actcaaaatc ccaacttttg  180
taaatcaagc ataatggaat ctgaaaatgg agtcgctatg gaggacgaga aacacgtcat  240
tggggaaaca accaaggaga atataaaca agaagctgaa aacagttgta attctgaaat  300
tcagaccaag aatgaggtat ctgaagctgt tgtaaaagtt gaaggtccca aatctgcagc  360
aagtaaaatc tcaaaacttg ccaaggaaca tgggtggcaag ggtggtgttg cttcaaagaa  420
caacaaatct gccaccaaag acaaacccaa tttgaagtct acaacttcat ctcagacaca  480
caggccaaac ctttcagag cctttcttgc cagccaaaca gctggaggag atggcatgaa  540
gaacagcact aatggaac                                     558

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<210> 9973
 <211> 575
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220108c08a1

<400> 9973

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ggaaatagcg taatttacgt gtgctccttt attcagttcc tcttctcaca ctggtcaaga   60
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caggttgatc cccagctact gagggctgta gctattgaac acccaaagga tgctgatcta  180
gcagctggaa tagttcttgc ggaagtcatc ccgttcatgt ccaaaaaact acctgctgca  240
attcctccac agcacaatga ccatggagcc ccactagatg ttgaagttga aagtgaggaa  300
gaaggcaata ggttgaggca ctgtcagcgt gttgatgacg taaatgtggg gccttctct  360
actttgtcaa atggctgtaa ttcaaaagat gatactgaaa aatttcttgg aatggatgat  420

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attaaggagc tagatatttt tcagaatgct gaagataact tcattgggga aaccttgaac 480
 gagaatgctc aggagattgt caatggctct attcaagagg aagataatga aaatcttgag 540
 agacaacctg tggattttga ttgtgaaaat ttgat 575

<210> 9974
 <211> 488
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220108c09a1

<400> 9974

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 gctcgggacg aggaggagcg tcccaagggt gctacaacg aattcagcga cgagatccca 180
 gtgattttct ttgccggaat cgacgaggtg gatggacgca gaagagagat ttgtgagaag 240
 atcgtggagg cttgcgagaa ttgggggtata ttccagggtg ttgatcacgg tgtggatcaa 300
 caactcgtgg ccgagatgac ccgtctcgcc aaagagttct ttgctttgcc accggacgag 360
 aagcttcggt ttgatatgtc cggcgccaaa aggggtggatt cattgtctcc agccatctcc 420
 aaggggaatc ggcgcaggac tggagagaaa tagtgacata cttttcgtac ccaaaaagag 480
 agagggac 488

<210> 9975
 <211> 412
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220108c10a1

<400> 9975

gaacagtgtt gagtggaaatc ctaaatacaa ttacttgca tatgctggtg atgacaaaaa 60
 caagcatcag gctgatgaag gtgtttttcg catttttggg tttaaaaatg cttagtatat 120
 atggtagggg cactgttttt actggtttga gaatgcaaac aaatgggaag actgagagag 180
 cctaattggag gttgatttgt aatctgaata aatttgatta ttatgtgtag aacaaggggc 240
 agcattcacg gacatgaata gtaagtaaaa gggatatttt ttttttttcc attcttttta 300

gtaattgtat ggataaatga tatcggttcaa cagcacattg ccctatacaa gttgtgacac 360
 aagttgtgac caaattgtta tgtatttaga cataatagtt cttttacttt tt 412

<210> 9976
 <211> 553
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220108c11a1
 <400> 9976

ggcacagcta tgccaccaaa tccaaccaac acagggctgt caaaaccctt ggtgggaagc 60
 tcgtttatca gaccaccaag aagagggcca gcgggcccaa gtgccccgtc actggcaaga 120
 ggattcaggg gattccacac ttgaggcctg cagagtacaa gagatcaagg ttaccagaa 180
 accgtaggac tgtcaaccgt gcatatggcg gagttttgtc tggaagtgtc gtcagggaga 240
 ggattatccg agctttctta gttgaagagc aaaagattgt gaagaaggtc ttgaagatcc 300
 agaaggcaaa ggaaaagcaa gcctcaaagg cttgaatttg aacaacacaa tgagacatct 360
 ttttggagga cttttaggtt tgagtgggta tagttaatca caaattttat agagttgtca 420
 tgtaattgt cttttattat nttgcctgtt tgaactcttt ctaagcaagt gttatctttg 480
 tcgacatgtc attatataca gntttgtttc tcattntctt tgatgggtat tgggtatctg 540
 ttctatatat tct 553

<210> 9977
 <211> 458
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220108c12a1
 <400> 9977

cttttccttc tctaaccct ctttctatt aagaggagaa ggaataacaa aaacaatata 60
 cacaatggct ttcgctttca ctttcaccaa aaccctaatt ctcttegtct ccctctcctc 120
 cctgctncta caaaccacg cggaccgcgg ccccgccacc gtccaggccc gcctctacag 180
 cctctgcaag cccaccacca atgttgggct gtgctacagg accatcctgc cggaggtgtc 240

gggcctgccc cgcttcaact attacaaggc cctcgagggtg gagatgctcg tgaccagaa 300
acagggtggag aaaacctcga agttgatcag cgtgctcctg gcgaggcccg gaaactcgaa 360
ggatctcggc gactcactcc agatttgtaa ggagcagtac ggcaacatca tggactcgat 420
ggcggaggcc aaaagtcaag tggctcacgc aacgtcat 458

<210> 9978
<211> 528
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmfl02220108d01a1
<400> 9978

ccactttctg ccaccgtcag gattcacctt ttcttatatc agttgggtgga aactataaat 60
tgtggctgga gttggatagg aacggagcag aacagaacta tagtatctca tctctcttga 120
tagtagaagt ggtgctgact ttcttgtgat cagtgatgct ggtgaaatct ctctcacttc 180
attctcatgc cttctcaagt tgcagttttt ctgcaagtga aattggaaca aaccaagtt 240
gggttccctt aaagtcctta aatagcctct gctgttcttc caagcctaga aatttatgca 300
gatttttgtg tctgagcact caaaatgggtg gcttcagaga aaactctggt gaagttggac 360
ttggagatgc agtgataatt gtggatcatg gctcgctcg caaagagtca aatctcatgc 420
ttaatgaatt tgtggagatg tttaagcata aaactgggta tgagattgtg gaacctgctc 480
atatggaatt agcagaacca tcaataagag atgcttttca atcttgcg 528

<210> 9979
<211> 480
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmfl02220108d01d1
<400> 9979

gggtatgcca aacctcaaca ttaatgttaa atactgatac aacttggagt aagaaacata 60
aacgaagctc ctcaagaagt cacgtcgaac caaacatgaa gcaaagctca agtgcgtcgt 120
aataacaact tcagaacagt tgcaacccaa ttacagatt ctcttgactt ccagcctgat 180
ttaatagcat caaaacaat ctagtttcac aaattaatag agcctgcatt taccagtccc 240

agaacaaact gaacactcat ctgcatgtac agccacatgc tgtaagcaat gtttgattct 300
 atcattcaca acatccacaa gtagttcatg taatccaagg ggtgcgggta caatgtgtga 360
 cacatctgga tgttcctttg ctgcctctgc acttaaggaa ggaatatacct gagtccaatg 420
 ccttcagga gagaggaaca aagggactga caataatgcg atgagcacc ttgttcaacg 480

<210> 9980
 <211> 537
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220108d02a1

<400> 9980
 cttgtattga catcaatttt cattgccgtg aaaccttgct ttttctctct cggatagaag 60
 caggttccaa gcaattgaaa atgggcaatc ggaagacaga agaggaaagg attgaaagag 120
 taattcggag tcttttaaaa ctccccgaaa atagaagatg catcaactgc aatcttttgt 180
 ctatcttgta aggaagattg caagaagttc acaagggaaa atcacgtaca acataaagag 240
 taacatgcaa agagaagaat atactagaaa agttaaagg accacaatat gtgtgtacaa 300
 ctttctcgac ttttgtctgc acaaattgca gtggaatata ccgagagttt acacatagag 360
 taaaatctgt gtcaatggct aaattttctc cagaagaagt cactgctctt cagcaggtgg 420
 caatgagagg gcaaagcaga tttattttaa gaatggaatc ctctgcgccca ttctcacc 480
 gaatccggta atatacacan acttcgagat ttcattaggc acgtatatgt ggaaaga 537

<210> 9981
 <211> 486
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220108d02d1

<400> 9981
 gacaaagaat gtaacacatt tgtactttca agcctgagaa ggaaataaca agggaaatct 60
 ctgaataaga taaaagttga tgagaaaaca aactatccag aagaatttga tagtggtaac 120
 tagatgattt gagcttgagg aggttcacat actttagag atgaagcttt ctcccttaat 180
 atttctcccg aaggacgtgc aacaggaagt tgtgatttgt ctacattctt ctgatcatca 240

attgaaattt gttttaactt tgattctatg tttgatagcc tgcgatttct atgttctttg 300
 tctcggaacc tgtcatcaac aacttcaatt tttataggac ttttggtcag gccggcattc 360
 ctagaatact tttgcgtata tctaggactt ctgctttcat catataaaaa tctgagattc 420
 ttgtcatcac tactagcacc agggcatgaa tgaggactta tgatttcaaa acgaaaagaa 480
 ctcttt 486

<210> 9982
 <211> 481
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220108d03a1

<400> 9982

gcttgaacca ttgttgacac ctacttctga tgccacaata tcatcattcc cttcttcaaa 60
 ttatttatcc ttgcctctca tgagtgtgct caacattgcc agagagtgtg gactgcaatc 120
 aactacaacc tcctctaacg aagttgatgt ttgtgctggt tgcttgagga ggcaatgttc 180
 agtggctgca gaaggatgtg ggcattgagct ttgtgtaaga tgtgcactct atctttgctc 240
 aacaagcaat gtttcttcgg agacgtgtgg gcctcctggc tctatccctt gtcccccttg 300
 tagacatgga attatctctt ttgtcaaatt accagggttc caagcaaaag aaaataaatt 360
 acacgtgtcc ctcagcctgt gtaaccacatg catgctacat ccatgtgacc tagatcgacc 420
 gactgtttct catacccctg agattcgaag aaccgtgtag cttctgttcc atcgagatg 480
 c 481

<210> 9983
 <211> 530
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220108d03d1

<400> 9983

agttgaacaa gtacttttagc ataacattta gtgttgatgg gagaaacacc ctcgagatca 60
 caaaaaggac aattacaaat gtagcaacaa gccgttacag cattcaaagt tcttgtaaac 120
 ctataaaata aatgataaac aacatatatt acacagaact tcctatctga aacaagccaa 180

aacagatagc tatttttctt tttcctctcc ttttgaaata acacctggtt tttctatgat 240
 aaaaaagaaa tccaattgca atcaattgca ataacaagca gctcatacta attttactaa 300
 tgctctctaa atatcataac tgagaactaa aaaggtggtg ggatgctgat atgcaagatt 360
 atctatcacc tcacatatac atccattgga ctttcacat atgaggctgg ttaataagat 420
 aaactataga ctctttttt gatctaagat tgtatgaagt atccacaaaa taagaatggc 480
 catgtaccaa cctcttaggt caagcattta tttctgaatt gcattgatgc 530

<210> 9984
 <211> 568
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220108d04a1
 <400> 9984

tgcattttct acattgcaac accgcgatat gaacgatgca aaatagtttc agatacgctg 60
 cgttgattga ttgatatgaa gtggttgact ttctggaact gcatatctat cctcgtgttg 120
 tcttttgctt tcttcttctt ctattgtcac acatacacat ctactccttc cctcatggct 180
 gagcaatctt ccaagtccat ttacgatttc acagtcaagg acatcagtggt aaatgatgtg 240
 agtctgaata attacagcgg gaaggttcta ctgattgtga atgtcgcttc acaatgtggt 300
 ttgacacaga caaattacaa agaattgaat gtattgtacg agaagtacaa gaatcaagga 360
 tttgaaatct tggcatttcc atgcaaccag tttgctggac aggaaccagg aaacaatgaa 420
 gaaattcagg aagttgtttg cacaaggttc aaggctgaat ttcctatctt tgataaggtt 480
 gaagtcaatg ggaagaatgc agcgccactt tataagtttt taaaggagca gaaaggggga 540
 aatattggtg atggtatcaa gtggaact 568

<210> 9985
 <211> 513
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220108d05a1
 <400> 9985

ctctcgctga gcaaatgcag ataaacagca gcaacagctg cgcagtgtta gttcaagaga 60

ccttgggtgcc aacagtctctg cctcacttgt tggctcccct gcaaaccctt ggtcaaagtg 120
 gggttctcct attgggaaag ctgattggtc agtaaagga gactcccttg gtcgtcagat 180
 gcgaagatca tcctcgtttg agcgcaagaa caatggggaa gagcctgac tctcttgggt 240
 ccaatctctg gtgaaggagt cccacactga gatgatcaaa gagaagtttg catctcctat 300
 gcctactgca tctgctgatg gaccgaattc aaattcccaa attgaatcca ttgaccattc 360
 tgttttagga gcctggcttg agcaaatgca gctggatcag cttgtagtct agtcaaaatt 420
 gaccctttac tatcttggtg agataggtat ttaatttcgt aaggtagata ttcttttggg 480
 gaaatttttt gggaagacaa cagggaagaa gtg 513

<210> 9986
 <211> 566
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220108d07a1
 <400> 9986

ctcagacaag aaaaatgtta ataacatatt ttctaataca ctcttttaaa tatgtttatt 60
 agtgacggaa ttttagtgatg tattgccttt tcgtcactaa ttctaaagtt acaaaaactt 120
 tagtgatgaa tntttcaaaa gttacatatg aaatatttcg tcactaaaat ttattgaaaa 180
 ttaaatctgg aaaattcatg gttatttttt ttatgtgatt ttatagtttt taataaattt 240
 aaactaatca taaaaaatgt gttaaaatga gtgtaataaa gaatatgtta ttgacacttg 300
 tggtagtat actctactcg atccgatcca gtgtattttt ataggtacca atttcttctt 360
 ccactgttgt tattgtacgt gtaccttggtg tacgaattgg tcgttagatg tttctatttt 420
 acgttttgct atagaaatgt gaagcagaca aagagtctca gatatagcaa aattacaaga 480
 tgcaagatgg agactaaatg taattgagct acgatggcaa taaaatntct tgtttcaatt 540
 tggataacaa tgagatgaga gtgtga 566

<210> 9987
 <211> 569
 <212> DNA
 <213> Glycine max

[illegible]

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tggctcttgcg	agagaaagcc	atgcctgaga	cgaagattat	tggcatgctg	tgtggccaga	120
cactggattc	gagaacattg	cgagatcttc	taaagcctgg	ccctgcaagt	gttgaaatcg	180
atgatcacc	tatgcaaatt	gaagaaacac	agtacccgaa	aaccttcttc	tataaagaag	240
accttcac	aggcaaaaca	atgaaagtac	aattcagcac	gcctcccttt	caacaacat	300
ggggtgttgg	tccatggtta	aaggaaatta	aagacactac	taaagaagga	tatagttttg	360
aagagctatg	catcaagaaa	gaagccattg	agggagaaga	gaagttttgt	gcaaaatcct	420
tgggaacagt	aattggtttt	gccatttcaa	agctgggaaa	gaacattcaa	gtactttcaa	480
gttcctttgt	caataagcaa	gaccaataca	ctgtggaagg	agtgcagaat	cttggagaca	540
aagcagtgat	gtgtcatacg	ctaaatttc				569

<213> Glycine max

<400> 9988

4558

<210> 9989
<211> 481
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220108d10a1

<400> 9989

attaccactt cccaatcgca ctctgcttcc gttctcactt tctctcacac ctgaaaagtg 60
aaaactcatc atcatgttct ctctccaaca attccttcca cacacttcct ctaaaactgct 120
tgaccattct ctttccttaa agcgccacgg ccaccgccgc ttccaccgcc actgccccac 180
cactctcagc agttcccacc aatccggacc ctcgctttgt gattccaaaa ctcaagtgtc 240
tcgtgttccg cttttgactt ccactcaggc ctatgaaaag ctaaaaacat ttagagaaaa 300
tataaagggc aagcaacaat tccttgccat gtattctagt atttttggtg ggataacaac 360
agaccagct gctatggtta ttctatgga tgaccacatg gtccacagag gccacgggtg 420
tctttgatac tgcagcaata atggatggat acctatatga gctagatcaa caccttgatc 480
g 481

<210> 9990
<211> 487
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220108d12a1

<400> 9990

cttagagagc ggtatgaaat tcaccacaag ctccgctata ctgatgaggc tcttgtagct 60
gctgcacagc tgtcctacca gtatatcagt gatcgatttt tgccagacaa agctatcgat 120
ttgattgatg aagctggttc acgagtcggc cttcaacatg cacagttacc tgaagaagca 180
agagaacttg acaaggagggt gaggcagatt attaaggaga aagaagaagc tgttcgcaac 240
caagactttg aaaaggctgg agagctacgt gatagagaga tggatcttaa ggcacagatc 300
tcaacacttg tagagaaagg caaggagatg agcaaggcag agactgaggc aggggatgaa 360
ggtcctattg tgactgaagc tgacatacag catattgtct catcctggac tggatttcct 420
gttgagaaag tctcaacaga tgaatctgat cgcttctga agagtggaga gactttacat 480

487

<400> 9991

<400> 9992

<210>	9993
<211>	581
<212>	DNA

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220108e04a1

<400> 9995

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 ttcatcgaga cttaaagcca aggaatgttc ttttagtcaa ttctagtgcc gaccatttaa 120
 aagttggaga ttttggattg agtaagctta tcacgggtcca gagttctcat gatgtataca 180
 agatgactgg tgaaactggg agctaccgct acatgggtcc tgaagttttc aaacatcgga 240
 gatatgataa gaaggttgat gtgtactcct ttgcaatgat tttatatgag atgcttgagg 300
 tgaccacctt tgcangtcgt gaaccttatg aaggagcaaa atacgctgca gagggacaca 360
 ngcctcattt tggggcaaag ggtatacccc tggattgcag agttaacaga gcagtgttgg 420
 gctcatgaca tgagt 435

<210> 9996

<211> 550

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220108e05a1

<400> 9996

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 catgacccta gaggacatgg tgggagtact tgagggtccc ctcaagagca ccgaattcaa 120
 ccgctccatc actaaacgcg gtgtcaattt agcagacctg gcatgcttgc caatctcttc 180
 aggggtggtat gggacacaag tggaggagaa tacaaggttg attaagggtgc agtgctattc 240
 caaagaaggc actgtgaact tctacatgaa accaattgag ggtgtgactg ccttggttga 300
 catgaataaa aaagagggtgc tgtcaatttc agataatggc caaaacatcc ctgtggctaa 360
 tggaattaac actgactacc gttactccat tcagaagctg aatggaggag agttgaggat 420
 gctgaatcca atatccttgg agcaaccaa aggtccaagc ttcacaatta atgggcactt 480
 ggtgaaatgg gcaaactggg aatntcatct gagaccagac ccaagagctg gggatcataa 540
 ttcacaagcc 550

<210> 9997

<211> 545
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220108e06a1

<400> 9997

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 gtgaggggta gtgtgctgaa cgatgctctg aagagcatgt acaatgctga gaaaagggga 120
 aagcgccaag tcatgattag gccatcctcc aaagtcatta tcaaattcct tttggtgatg 180
 caaaagcacg gatacatcgg agagtgtgag tatgttgatg accacagggc tggtaaaatc 240
 gtggttgaat tgaacggtag actgaacaag tgtgggggta ttagtccccg ttttgatgtg 300
 ggcgtcaaag agattgaagg ttggactgct aggcttctcc cctcaagaca gtttgggtat 360
 attgtattga ctacctctgc tggcatcatg gatcatgaag aggctaggag gaaaaatgtt 420
 ggtggtaagg tattgggctt cttctactag tttaattttt atcaaggatg tcagggattt 480
 caattntgag attcatcggg tgtaatggag gataatgcta gcccctagt agtatcaatc 540
 atagc 545

<210> 9998
 <211> 507
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220108e07a1

<400> 9998

ccaacaatgg caatggcaac ccaagcctct ctcttcaccc caccctctc cggtctcaaa 60
 cccagcgacc gagccaccgc gccatggaaa caatcctcca ccctctcctt ctccacctcg 120
 aagccctca agttctcgcg aacaatcaga gcagcagcca ccgaccagac cacagaggca 180
 ccggttgggt tcaccccacc ggaactggac ccaaacaccc cttccccgat cttcggaggc 240
 agcaccggcg ggctctcgcg caaggcccaa gtggaggagt tttatgtcat cacatgggac 300
 tccccgaaag aacagatctt tgaaatgcc actggggcg ctgccatcat gagggagggt 360
 cccaaccttc tcaagttggc gaggaaggag cagtgttgg ctcttgggac taggtcagg 420

tcaaagtaca agatcaagta ccagttttcc agggctcttc ccaaggngag ggtcagtatt 480
 tgcaccaag ggtggtgtgt accctga 507

<210> 9999
 <211> 571
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220108e08a1
 <400> 9999

cacaaagtca caatggaccc cctctctctc ttctgcaccg gagccctcct cgccggcggc 60
 ctctactggt tcgtgtgctg tctgggcccc gccgagcaga agggcaaacg cgccaccgat 120
 ctttcgggcg gctccatctc cgccgagaaa gtccaagaca actacaaaca gtactggtcc 180
 ttcttcggcc gcccaaagga gatcgagacc gccgacaaag tccccgactt cgtcgacacc 240
 ttctacaatc tagtcacaga catctacgag tgggggtggg gccagtcctt ccacttctcc 300
 ccctccatcc ccggcaagtc ccaccgcgac gccacgcgcc tccacgagga gatggccgtt 360
 cgatctcatc gaggccaagc ccggcaacag aatcctggat gtgggcctgt ggcgtgggcg 420
 gtcccatgcg ggccatcgcg gccactcgc ggcnaacgt agtcggcatc accatanacg 480
 agtaccaggt caaccgcgca aggatgcaca acaagaagca gggttggagt ccctctgcaa 540
 gtcgtgtgcg gaattttctc agatgccctt c 571

<210> 10000
 <211> 555
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220108e09a1
 <400> 10000

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 ttggagatga tccatggcct gaattctgta atatggtgag aagaatcttc atttgttcca 120
 gccaggatgt gaagaagatg agttgtggaa gcaaactgcc gatctcctca gtggaagacg 180
 ggactgtaat aagctcagac acaaccgaaa cctgaaactt ttgacattct ttctgtgggt 240
 tttgcgtttg tttgtcagca gcacccaaat gctgacctt cttgttgctt caaattgttt 300

gtgggaagga agttggtcta tttgggctgg ggtaagtttc atgttatcag atgtgagaca 360
ctagctaatt gtaacttaat ttgtagagac accaccacca ggcattaatt gtgctagaaa 420
aaaaaagacc taaacagatt tctttaataa attagtaagt gggaagatgg caaatttagg 480
cttagtatat tggatattca tgtcaagttg gaagaagaat gtgggggggtt tgatgttttg 540
aaagacttgc ctttt 555

<210> 10001
<211> 472
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220108e10a1

<400> 10001

cactggcgca gctaccctga ggcttctctt ctcttctctt gtctgtcgtg agtcaccatg 60
gtgaggggta gtgtgctgaa cgatgctctg aagagcatgt acaatgctga gaaaagggga 120
aagcgccaag tcatgattag gccatcctcc aaagtcatta tcaaattcct tttggtgatg 180
caaaagcacg gatacatcgg agagtttgag tatgttgatg accacagggc tggtaaatac 240
gtggttgaat tgaacggtag actgaacaag tgtgggggta ttagtccccg ttttgatgtg 300
ggcgtcaaag agattgaagg ttggactgct aggcttctcc cctcaagaca gtttggggtat 360
attgtattga ctacctctgc tggcatcatg gatcatgaag aggctaagag gaaaaatggt 420
ggtggttaagg tattgggctt cttctactag tttaattttt atcaaggatg tc 472

<210> 10002
<211> 432
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220108e11a1

<400> 10002

catcaccatc actgtaaaaa gcttaacttg caacgggtgt tcttgtcttg cccaagtgtt 60
ctgccatatt atactgggtg attttatata aaatcgtaaa ttttcctcct attgggttcg 120
ttagcctgta ggcaatatag cccccacatg gagaagtagg aatttataca agggcaatct 180
gtgctctatg taattttaat gtagagacca tgcgctgcta aacatgttga gacactttat 240

atattaccta gggaagactt ttttctgtgt ttttaaggat ctctcgattc attgctttgt 300
 tgtctttcca ggtcagctgt aagttgtatc attctatcat tctgtttgac ctttaagccat 360
 gtgttctaaa ttattgtcat taatttatct tatgaatatt tttttttaaa aaaaaaacac 420
 catacaatca ag 432

<210> 10003
 <211> 473
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220108e12a1

<400> 10003

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 tttggttttt gggtttgtga ctgacaccaa tccgataata atactgattc tttctgaata 120
 tcctttctttg gtgacacgtg tcagatcatg tgacagctga ggtgagggtt gagaaactgc 180
 ccaaggcttg aactgagcac tacatggcta ccaactggga tgatgaaaac ggagataaca 240
 gaggcggtat gtgggttttg gaacagaaga ttgaccatcc aatggatgaa caagctgaaa 300
 gggtcaaaaa ttgctcaga taagaaagac tttttacatt gctgcttctg cggtctgcat 360
 atcctagact tgggtgtacta taaggagatt cgtgaactta ccatttatcc gcattatata 420
 atacattccc tcaacaaatg gacagtctga ggatgtgact ggagcttggt ttt 473

<210> 10004
 <211> 567
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220108f01a1

<400> 10004

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 tgccgtttca attgttaagg aacgtgaagt gaaagctaag cagcaacaac taatcagtgg 120
 ggtttctgtc ctgtcatatt gggcttctac atttatttgg gacttcgtga gcttcttggt 180
 tccggcctct ttgcatag ttctctttta cgtctttgggt ctggatcagt ttgttgagg 240

ggtttctttg ttaccaacaa tcctcatgct tttggaatat ggacttgcaa tcgcatcatc 300
 aacttattgc cttacatttt tcttttttga ccataccatg gcgcagaatg tggttctctt 360
 gatccacttt ttctctggat tgatactgat ggttatctca ttcattatgg gactcatgcc 420
 atcaacaatg agtgccaatt cttttcttaa gaattttttc agaatatctc ctggattttg 480
 tttcgctgat ggtcttgctt cactagctct tttacggcaa ggaatgaaag ataaaacaag 540
 tgatggngtg tttgattgga atgttac 567

<210> 10005
 <211> 404
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220108f01d1

<400> 10005

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 accaccgtga acttaaacc cgcacgccc acggaccag aggggggggg caaaaccg 180
 cgattaaaaa acgtttactc ccagaatgga acaaaggccc ggacataaac aaaaatgtct 240
 actttggcga atccatcaaa acccaaaccg gcccggtggc cttgaggaaa ggctgccta 300
 agccggggcc ctctggggc gcacggcca agagcaaagc ctggagccca agggcgagaa 360
 gggcgtgcgt gcatgcacca tcaccaaaca acaaatgttc gcta 404

<210> 10006
 <211> 555
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220108f02a1

<400> 10006

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 cgtttcagt cgcgaacaca atcgagtctc tgttggtttt tctaaatgca tgagttcgat 180
 ttgattttcc cctgctcctg ccactccgtt ttttggttct gttcaaacac tcaactgatag 240

aaaaaaagat tcgagaattg gttttgtttt cattggtgag ttggaagtga gagtggcatt 300
 gctgaagtgt aattccattg aaatgagga aattttaatg agagggcaat gaaaggggcg 360
 tctgagattt tagagataat aagatgagtg gtggatcatt gggatttcgt tctgggagtt 420
 atgggtcttt ggagaagcag cagcagcagc tacagaacaa tgggtgtgtcg cttattcaat 480
 cagcagcaa accaccaag acgctgaagg agaaagacag gttctttctt tggatcttca 540
 agtttgctgg cagaa 555

<210> 10007
 <211> 385
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220108f02d1

<400> 10007

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 aatggagcaa cagagtgggt taccacatgt gaggaatttg gtcgcaagtg acaaccctga 120
 tatcatgata attattgagg attttttaac tctatataca aaaaaaaga ataacgatga 180
 acgaattgca caaagtaaaa agaattgagg gcgtctatgc ggaaccgata caacactcat 240
 cttccctccg gggctgtgct atgaaaatga tttgtgtagg gggaaatgcc aaaccaaact 300
 gatcaatcat ataatcacac aaccaaact gtataattgg cttcatgggt atggtccttg 360
 cttccggcac gaatttaccg ggggg 385

<210> 10008
 <211> 515
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220108f03a1

<400> 10008

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 gtgatgatcg aggttgtcac atggttggct atttctccaa ggaaaaacat tctgaggaat 120
 cttacaattt ggcattatc ctcaccctac cacctacca aaggaaaggc tatggcaaact 180
 ttctaattgc attctcatat gagctgtcca aaaaagaggg caaagttggc acacctgaaa 240

<400> 10011

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 acaacaaaaa aaaacatcat catcaaaaaa acttccgaga gtttaatggc aacacgcgtg 120
 atccctccaa gaatcctcaa gaagctccgt tacaacacaa caaccaagcc actcaacgct 180
 gccacccct caatctctcc agtcacgcc ccacgcgcac tcttcgagag gtcgccgtcc 240
 cctgtcgcgg atgctgtttc aacaacatcc acgactatgg agacggcgaa tctcaacctc 300
 gacgacgcgg agcggctttt cgcgtcagta tcgacggaaa agctgctccg ggtcgtcccg 360
 cggttttgca tgcgacggcg gtggggccca tggtagacct gggaatgtgg ttgatgaagt 420
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<210> 10012

<211> 549

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220108f07a1

<400> 10012

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 caatacctct cctcacctca tacaagatgg gaaattttta tctatcccac aggattgtgt 120
 tggcaccggt aacacgatca aggtcttaca acttcgttcc tcagccgcat gctgctctgt 180
 attattctca aagaactact aagggtggct tcttgatcgg ggaagctact ggtgtatctg 240
 atacggcaaa ggatgggtac cctaatacac ctggcatttg gacaagagaa cagggtggaag 300
 cttggaaacc aattgtgagc actgttcatg agaagngagg tattttcttt tgtcaacttt 360
 ggcattgctg gaaagtctcc aactatgatg aattccaacc acatggtgaa gccccaatat 420
 caagcacaaa caagcagcct cgtaaggaaa tcccacgcgt gtcaatgnat tcgtaattgc 480
 ggccaaaaat gccatggagc gggttttgat ggaatagaac tacatggagc agatgggtac 540
 ttgctggat 549

<210> 10013

<211> 563

<212> DNA

<213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220108f08a1

<400> 10013

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at ttgcatct gagcagaagt ccatgtctat ggagggttatt cggaaggcat accaagccac 120
agaagaaggt tttttgtcag tggttaccaa acagtggccc atgaatcccc aaattgctgc 180
tgtgggatct tgttgtttgg ttggtgtgat ttgtgggtgt atcctctata ttgctaacct 240
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ccagctttcg tcagagcata atgtggccat agaactctgtg agacaagaga tgcattcttt 360
gcataccgat gactcaaaaa ttgtggttct aaagcacaat gtatggcggg tgaagggtct 420
gatacagatt tctagatcca ttggcgatgt atacctaaaa aaggctgaat ttaacaagga 480
accgttgtat gctanagttc gtgtgccgga aggttttaag aggcccatth tgagctctga 540
cccatcaatt tctgtccatg aac 563
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<210> 10014
 <211> 556
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220108f09a1

<400> 10014

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ttcctcgggg aattccattt cacattttca agaaataagg aggcaaaaat gttcatatat 180
gaattggaat tatttgtttt cttattaggc ctatcctgaa gccaaaggaa atgagatcgg 240
aattcctcgg ggaattccaa ttccacattt tcaagaaata aggaggcaaa aatgttcata 300
tatgaattgg aattatttgt tttcttatta ggccatcct gaagccaaag gaaatgagat 360
cggaattcct cggggaattc caattccaca ttttcaagaa ataaggaggc aaaatgttct 420
atatatgaat tggaattatt tgttttctta ttaggcctat cctgaagcca aaggaaatga 480
gatcggaatt cctcggggaa ttccaattcc acattttcaa gaaataagga gggcaaaatg 540
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ttcatatatg aattgg

556

<210> 10015
<211> 549
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220108f10a1

<400> 10015

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tatagatcat aaacctgata ttgagattga gaaggaaaga atcataaaag ctggtgggtt 120
tattcatgcc cggaagagtt aatgggagtt taagccttgc aagagcaata ggtgacatgg 180
aatttaagca gaataggttc ctttctgctg aaaagcaa atggtgacagcc aatccagaca 240
tcaatactgt tgaactttgt gatgaagatg aatttatagt gctggcttgt gatggcatat 300
gggattgctt gtcaagccaa caattggtag atttgtacg tcaacaactg ctcttgga 360
gtaaactttc tgcggcttgt gaaagagtac tagatcgatg tttggcacct acaataactg 420
ttggtgatgg atgtgataac atgaccatga ttttgggtgca gttcaaaaag ctggctcaac 480
aagtgcacca gcataagagc tattctcttc aaatgaaaca gctacatcag aattaagact 540
agagagcag 549

<210> 10016
<211> 467
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220108f11a1

<400> 10016

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gcaataggta aaaggcctac taaagccaat ataggattaa tttgtacact acaatgcaaa 120
gcggaacca cttccatcaa gaaaccgatc tgtatgccac cctttgcact gtaattcttt 180
tataaaggca gggaagacct cattcatttt ctcataggcc tgtagcaggg tactgggtact 240
gagctcgtga gaggacttgc caatttgtac agcatatgaa gcaactagcc accctctcaa 300
tgcactcttg ccgatagcat cctgctccaa taccatgtcg atgcacctat tatcaccatt 360

taaaataaac ttttcccag ggaatacttg ttttgattca agaagccttg aaggcttaat 420

aaccttgtgc aaatccctac caactcttac attttcagca tttttta 467

<210> 10017
<211> 383
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220108f12a1

<400> 10017

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tggtcttgcg agagaaagcc atgccagaga cgaagatttt tggcatgctg tttggccaaa 120
cactcccatt ccaagttcat tgcgagatct tctaaagcct ggccctgcaa gtggtgaaat 180
cgatgatcac cctatgcaaa ttgaagaaac acagtaccgc aaaaccttct tctataaaga 240
agaccttcat ccaggcaaaa caatgaaagt acaattcagc aagcctccct ttcaacaacc 300
atgggggtgtt ggtacatggt taaaggaaat taaagacact actaaagaag gatatagttg 360
tgaagagcta tgcataaga aag 383

<210> 10018
<211> 550
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220108g01a1

<400> 10018

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caagggagca ggcagatttg ctgaaccgat ctacaaagtc agatgatgct catggttctc 120
acttactcat gtcagatttg ctttctgact tcagccagaa gaattcaatt acagaatcca 180
gtgacatatt gcacagtggg aatatgtcaa atctgaacat gatgtccagc tcagcagcaa 240
agcctttgca agcagatggc catactatta atgatgtccc gccacagaca tacaaacagt 300
tgcctgatac gacaagtaag gtgaattcga agttattgca gcatgtgaat tctgagtcga 360
agcaagtgtt agaagataat aaagtttcta gaaatgagga tcaggtcctt agttctgaaa 420
acagaaccaa aggtgctgaa catcttgcat ttcacgggt tccttctgtt gaacacaatc 480

agaatctaac atctaaactt ccagacctca atttgtctga ggtttctacc agggagtctg 540
 ataatgatac 550

<210> 10019
 <211> 351
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220108g01d1

<400> 10019

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 ccctgaggaa aaccctagaa acgaacttgg ttattggccc cggaggatcg ttcggggggtt 120
 gcctacgccc acttcagtgt tgagatccca gtgattaatg ttgccggacc cgacaacgtg 180
 gatggacaca aaatagagat gcccgtaag aacgaggagg cttgcgataa tggggcggtta 240
 ttccaagaag ctgatgacgg agtggatcaa caactcgtgg tctagatgac ccgcctggcg 300
 gagagttctt tgctttggca ccgggcgaga agctttcaca tgatatgggc g 351

<210> 10020
 <211> 537
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220108g02a1

<400> 10020

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 taaggccaaa aaaaaaaaaa aaatagcaaa tatgtcagga aagatcatta tctcggtctgt 120
 ttctctcatc ctggtggtgg gtgtggcaat cggcgtggtg gtcgccgtga acaagaaggg 180
 cgaggatcct gcagttgaat cccacaaaaa atacgtaggg gtcatatgcc aaaacaccga 240
 tgagaaaaag ctctgccatg acaccctgag ctccgtgaag ggcattggaca gcgctgaccc 300
 caaggcctac atcgccaccg ctgtgaaagc caccatggac agcgtgacca gggccttcaa 360
 catgagcgac aggtcacca cagagtacgg tggcagcgat aacggaacca agatggccct 420
 tgacgactgc aaggacctct tgcaatcagc catcgagagc ctccagctca gcactgacat 480
 ggttcacaac aacaacgtcc aggccgtgca taaccacag gctgatttca agaactg 537

<210> 10021
 <211> 402
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmfl02220108g02d1

 <400> 10021

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 agaataacaa attgtcacac ggactatgac cctcaacatg acaaacgcta acactcagtt 120
 aatagagtga gcattgatgg atatacgggt taatttcaag ctttcatgaa gttaagtgca 180
 tgaggaacat ggagagcctt caaccagaca gttccaccgt tggaaccagc ctggaggaat 240
 tgggcagggg tgaactgagc agctatttgc tggctaata gaaccggggaa acccttccac 300
 ttgatccttc cgttaacgtt ggcaccaggt ccatcggtgg tgaattcagc gtagtacagg 360
 gtgtcataga agtggtcacc ggcccatggg caccatcctt cc 402

<210> 10022
 <211> 585
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmfl02220108g03a1

 <400> 10022

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 acatttacat tgatgatttg attaatgttg atgggtatct gccatggcaa ggactagagg 180
 gtccttctgg tatgaatact tgcttctatg ccgagtacca cgacagtggc ccgggttcag 240
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 agtgatgagt tgtgaaagca agaaatataa attaattaat aaggaatgat tgagcttctt 480
 tattctttaa ttattttgat ttcattaatt aatttttagag tgagctacat ttttgtatct 540
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<210> 10023
<211> 464
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220108g03d1

<400> 10023

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ccctttctta ggaaatacaa tgggtaaaat atctagaaga cccatttatt agtcactaaa 180
caaaaaaaaa aatatcaaag aggaattacg ttacattgat ttcaattcct tgagatacaa 240
aaatgtagct cactctaaaa ttaattaatg aaatcaaat aattaaagaa taaagaagct 300
caatcattcc ttattaatta atttatattt cttgctttca caactcatca cttttattac 360
caattaagcc ttgtcttttt gtgcctatgg tgtgcgggaa tgtcacgaaa gcaaggaatc 420
cccagtactt caatcagtca gttccgtgaa aaacttagat gctg 464

<210> 10024
<211> 449
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220108g04a1

<400> 10024

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tggtgcccc ggacgtgctg gtcgccagag atgcacagga ttatttgatc gagtggtgtg 120
tcgagtttat aaaccttgct tcgtcggagt ccaacgaagt ctgtaacaaa gaagaaagaa 180
ggacgattgc accggagcac gtgctgaagg ctttaggggt tcttggtattt ggcgagtaca 240
ttgaggaagt ttatgcagca tatgaacaac acaagttgga gacaatgcaa gactctttaa 300
aaggtgcaa gtggagcaac agagctgaga tgactgagga agaagcattg gctgaacagc 360
aaaggatgtt tgcagaggca cgtgcaagaa tgaatggagg agccattact ttcagcagtc 420
agacgctacc aaagtttaga gagcttact 449

<210> 10025

<211> 496
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220108g05a1
 <400> 10025
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 ccactgaaca catttgcact cacacataga agcagagaga ggccattggt tggtttcaga 180
 gatgggaagc atgcacatag aaaccccaga aacttttgct gatggtagca aaaacttcga 240
 tgatgatgga cgagctaaaa gaactgggac ttggattact gcaagtgtc atatcataac 300
 ggctgtgatt ggttctggag tgctatctct tgcattggca attgcacaga tgggttgagg 360
 agctggctct gcagggctct ttgtcttctc ttgataaca tacttcacct ccactcttct 420
 cgctgactgt taccggtcac ctgacctgt acatggcaag cgaaactaca catattctga 480
 ggtttgtcaa aagcca 496

<210> 10026
 <211> 363
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220108g06a1
 <400> 10026
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 gtattaaata caatggaaca attcacggtc taaaatatat atggagaact gaagggtttc 120
 gtgggctggt cgacgggaat ggcactaatt gtgctcgaat tgttctaaat tctgctgtga 180
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 gatacgagga tgctcagttg actcctcttt ttcgacttgg ggctggagca tgtgcgggaa 300
 taatagccat gtctgcgact tatccaatgg acatggtttg atgcagaata actgtacaga 360
 cag 363

<210> 10027
 <211> 539
 <212> DNA

<212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220108g09a1

<400> 10029

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 attcacttag gagcctcaag agctatgtct acatcttctc gtgctcttcc cactcccttg 180
 gaaaacaagt atatgaaacc ccagattct tttcagcttt caccgcgcag agatctgact 240
 gcaaattctg cctcatcaaa ttcaatcaga agtgctggga agatgttggtc ttacaccttct 300
 gaatgtcccg atgatatccc ttttctctt gtttctcaga catcaggtga caatgtgtct 360
 tccgaaattc attcaacagc attgatttct caccctcaag aataatgaag atctttctctg 420
 gggaccagat ccatttcagg atattcttgg ctttctgaa aatgtttctg tccagcatga 480
 tcaggtgcaa aacaatgggt gttacataaa tgatgataat gtcaaaagat ctgatttttg 540
 gagtgggttg atcagttaat gtcaattgat gattctctt 579

<210> 10030
 <211> 467
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220108g11a1

<400> 10030

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 tgaaattgtg aattctcgtc tctgctgct cgacaacttc gttcgtatat gttcttttta 180
 ttcaagttat ttattgttgt gaatgtctgg gagtgaacag attcttgagt gagtatttaa 240
 actgtaagat atgggaagat aaaattcaaa taaagccatt tatggcctat ggggcgtgta 300
 aataataccc taggaagttt gtaattatag ttcatggata tttctttgca attcttaaca 360
 ttgtgttttg tcagaagtgt aaacaaaaaa ttgaaaaaa aaatagaaaa taaagttatt 420
 ttattaaaat aaaaatgaat gaaaaaatat tttaattgaa acaggtt 467

<210> 10031
 <211> 455
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220108g12a1

<400> 10031

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 gtctgcgtgt gtgagagaga gagcaatggc tggctcgtgg gcacgccgtt ctctgattgt 180
 tctagccatc atttccttcg gatgtctatt tgcgatttcc attgctaagg aggaagccac 240
 caagttaggg acggtcatcg gcattgatct tggaacaacc tattcatgtg tcggtgttta 300
 caagaatggc catgttgaaa tcatagccaa cgaccaaggt gaccgtatca ccccatcgtg 360
 ggttgctttc accgacagtg agagactcat tggggaggct gccagaatc aggcagctgt 420
 caaccagaa aggaccatct ttgatgtcag agact 455

<210> 10032
 <211> 599
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220108h01a1

<400> 10032

aatgtcgaat aaatttttta aatttttagga atttatttga tatttttcta attcagggac 60
 tgctataaat acgcccagca tattcagggg gtattgatta aaatggggta tactcatttc 120
 tcaggtgacg ctgggggattt ttatcttgta cagaatattg attttgaaat gtaattgtat 180
 tgggcttcac gttctcactt attttctgca ctttatgcaa tgccttctat ttctacattt 240
 tactgtgata gattctcttg catccttctc ttacacattt atttgaatcc ttcacccat 300
 ctttttgatg gcagagtttg aaaggaagg atgaaccggg tgacatggcg ggaggaaatt 360
 caccacatgt tccgtatgcc tcagagtcac atgtagatgc ccctgaaaga taccacattc 420
 ctcaagctga actacatgat attgatgac cagcagcttt ctcttctaata taccaacaca 480
 tatcagttga agagaggaaa gagcatcttg tgggtgctcg aaacagtctc gaattgctct 540
 ctagcatatt gaattctgat gcagagccta aaactttgaa ggaagattaa ccgtgagct 599

<210> 10033
 <211> 437
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220108h01d1

<400> 10033

aacttacata acaaaacatt attatcatat ataaaactga aacaagagtc cgatttttcta 60
 atctgtactc caatgtgcgc gatttagttgt ttccacactc tatgcactta ccacagtgtc 120
 aactttatcc ccttcgcgca ttaataatat aaggaagcgg atcaaaatgt gggaaccact 180
 taatattatg agaaactagc atgatctcac aaggatgtta tcacaatcct cgggatggaa 240
 actcctgccc attacacatt tgggcaatga aaatcacccg catagaagga ctatagctta 300
 ttacaagata tgaacaaaga cctgataaaa tgogaattac aagatacata tgccaactat 360
 gctttgctca ttcggtatct cgcttgaac tagattcagc attcttctcc ttcgtgccat 420
 cataactacta ttttagt 437

<210> 10034
 <211> 555
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220108h02a1

<400> 10034

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 gaaaagctga aaatttgga gaaaaaagca gagcaagaag aagaagggtc tcctctgggtg 120
 tggttcgaaa cctctgccac tgtttctcgc cgcttcaggt ttgaaccaa tggccaactt 180
 tctgtaacgc ttgttggtga ttctaggcca ttataccaca ggattgttga ctctttcttg 240
 aataaatttt tcccttcagg atatccatac agtgtgaatg aaggttacct cagatacacg 300
 cagtttcgag cactgcaaca cactgcgagt gccgcgctat cagtgttatc aactcagtca 360
 ctgctatttg ctgcaggctt gcggcccact cctgcacaag cgactgctgt tagttggggtt 420
 ttaaaggacg gtatgcaaca ttaggggaat ataatatgta gcaagttggg tgcaagaatg 480
 gattctgagc ctaaacgttg gagaatctta gctgatgtgc tctatgattt agggactgggt 540

ttggaagttc tttct

555

<210> 10035
<211> 538
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220108h02d1

<400> 10035

ttatatactg gctgtcgagc tccttgacga gccggaccta aatacacgcg tgcgtacgct 60
ctgactagtc gtcgggagta ccactttcca atcgactct gcttacgaac acacactcta 120
tcacacctga aaggagaaaa ctaatcattg atgtactctc tccaacaata tgctaacaca 180
cacattcatg tcaactgtttg accattctgt cactttaaag cgccacgggc accgccgcta 240
tcaccgacac tgacctacca gctctcagta ggcaccgacc aatccggacc ctggctttga 300
gatacaaaaa ctcaagtgtc tcgtgctccg cttttgactt tcaactcaggc ctatgaaaag 360
gtcatgacat ttagagcaaa tatagagggc acgcaacact ttcttgacat gtattctact 420
attgctggtg ggataacaac agaccagct gctatggtta ttcctatgga tgaccacatg 480
gtccacagag gccactgtgt ctatgatact gcagcaataa tggatggata cctatatg 538

<210> 10036
<211> 431
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220108h03d1

<400> 10036

catacccatc actgatcaaa gcttttctct tatcggacgt tctctgacag cccaagagtg 60
gggacatatt atactggttg attttatata aaatcgtaaa tattcctcct ataggctgcy 120
ttagcctgga ggcaatatag cccccacatg gagaagtcgg aatcaataca agggcaatct 180
gtgctctatg taattctaata gtagagacca tgcgctgcta aacatggtga gacactttat 240
atattaccta gggaagactt ttttctgtgc ttttaaggat ctctcgaatc attgctttgt 300
tgtctttcca ggtcagctgt aagtggcatc attctatcat tctgtgggac cttaagccat 360
gtgccctaaa ttattgtcat taatttatgt gatgaacatg ttctcttaag ccacgggggtt 420

ttgatacctg c

431

<210> 10037
<211> 378
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220108h04a1

<400> 10037

aaagaaaact actaagtga taaaaatggc cggatttatg aaaaatccag attcattgac 60
tgctgcggt ctaaagcgta tgaacagaca ggtggcgacc caattgtcct gggctgacgt 120
ctggaggcat agaacaacca attttttggc gaagagcatg ggactgctct ttctagggat 180
tattgggaat tgtgaaggag catatcacgg tagggtcgtt tatagctcat ggcacctgga 240
agaactctac acttttggcc ggctcaggaa gaataacctt caacataggg aatcggtact 300
tccatttgag acgaatgaaa cgaaggagca ctacccaaat atggtcgggg tttaaaactc 360
ggtgggcaag aatgccca 378

<210> 10038
<211> 473
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220108h05a1

<400> 10038

tgagtctgct ttgataaatc cttcagcttt agtgcccgat ccatggcaag tatctagtga 60
gacattaacc agcattgacc ctgaagcagt ggctgttgaa cctgcactag ttccatgtgt 120
tcaggcttat gttgattcag ttcttgatct agcttcacac tttatcaccg ggttgccggc 180
ttatgcaagt ttctgccgta cattggcaag tcatgctgta actgcaggga cgtgaaataa 240
ccgaaatgtg gtagctagtc ctgcccaatg ttctgcaact cctgcaacaa gtcagggagg 300
tcaaaatggg acaaccagtt ctagtggaag cacacagatg caagcttggg tacaaggggc 360
cattgcccaag attagtagca ctactgacgg agtgccaac ccggttctaa ccccccata 420
gtggtccttc gtcctttatg ccataagca ttaatacagg aaactttccc tga 473

<210> 10039
 <211> 533
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220108h06a1

<400> 10039

gttcttcattc atagtcttaa acattaaacc ttagcaaaac tcaacaatgc tagacatcaa 60
 aggctacctc gtactcttct tcctatgggt catatcaacc attctgatac gttccatctt 120
 caagaaacca cagcgtctaa gactcccacc gggctctcca atttcaatac ccttgctggg 180
 acacgcgcca tatctccgtt cactgctcca ccaagcattg tacaagctat cactgcgcta 240
 tggacccttg atccacgtca tgatcgggtc gaagcacgtg gtgggtggcgt cgtcggcgga 300
 gacggccaag cagatcctca aaacctcgga ggaggcattc tgcaaccgtc ccttaatgat 360
 agcgagcgag agcctaacct acggcgcggc ggactacttc ttcatcccct acggcacata 420
 ctggcggggtt cctgaagaag ctctgcatga cggagcttct gagcgggaag accctggagc 480
 atttcgtgag aatccgcgag agcgaggtgg aagcgtttct caagagatga tgg 533

<210> 10040
 <211> 411
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220108h07a1

<400> 10040

aatagataat aaataaaaaa agagaaaaga gtaagaaaag aaaatataaa aataataaaa 60
 ataaatataa agaattgaga aaaatataaa attatantta atttaaatga aaaaaacagg 120
 gggataggct tgtatgcnag ancngaanat ngaaattaaa aanaggaaga aaaagaaaaa 180
 anaaaaaatn gaagaaaaaa aaaaaaaaaa aaaaaaaat ttttttataa aaaagaagat 240
 ataattaaaa aggggggaaag gagaaaaaaa aaatattaaa aaaatatata aaaaatntaa 300
 taaagaaatt tataaaaaaa agagatgaaa aaaaataaaa aaaaaaaagt aggaagaaat 360
 aatataaaaa aaaaaaaaga aaaaaaagtg aaaaaaatat atagtgggag g 411

<210> 10041

<211> 416
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220108h08a1

<400> 10041

cttttacttc tcctaacctt cttttttatt aacaggagaa ggaatcacag ggacaggata 60
 cacaatggct cccgctttca ctttcaccaa aaccttaatt ctcttcgact cctctctctg 120
 ccttcttcct ccaacctact cggcccgagg accccgcacc gtgcaggccc gtctctacag 180
 cctctgcaag cccaccacca atgttgggct gtgctacagg accatcctgc cggagggtgct 240
 gggcctgccc cgcttcaact attacaaggc cctcgagggtg gagatgctcg cgaccacaaa 300
 acagggtggag aaaacctcta cgttgatcag cgtgctcctg gcgaggcccg gaaacttgaa 360
 ggatcctggc gactcactcc agattttgaa ggagcagtag gggaacatca tggact 416

<210> 10042
 <211> 521
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220108h09a1

<400> 10042

agcataacat ttagtggtga tgggagaaac accctcgaga tcacaaaaag gacaattaca 60
 aatgttgcat caagccgtta cagcattcaa agttcttggt aacctataaa ataatgatt 120
 aacaacatat attacacaga acttctatc tgaaacaagc caaacagat agctattttt 180
 ctttttctc tccttttgaa ataacacctg gtttttctat gataaaaaag aaatccaatt 240
 gcaatcaatt gcaataacaa gcagtcata ctaattttac taatgctctc taaatatcat 300
 aactgagaac taaaaagggtg gtgggatgct gatatgcaag attattttac acctcacata 360
 tacatccatt ggacttttac catatgaggc tggttaataa gataaactat agactccttt 420
 ttgatctaa gaatggatga agtatccaca aaataagaat ggccatgtac caacctttta 480
 ggtcaagcat ttatttctga attgcattga tgcttcccca c 521

<210> 10043
 <211> 534
 <212> DNA

<213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220108h10a1

<400> 10043

atgacctatt tcctgtagcn cagtcggact tagaatgaac acngccatga cgatgctact 60
 atttctcggg cgcctttttt ttttatcctc atctttttca ttttacgaaa acctaccacc 120
 tattgcgggg gggagaaaca cttctatat ctccaaaagg acatttacta atgtatgatc 180
 aagccgtttc agaattcaaa gttcttgtaa tcctattaaa taaacggttc acaacatatt 240
 ttacacataa ctttctatct gaaacatgcc aaagcagata gctttctttt cctatcccgt 300
 tcctttctaa ataacacctg gtttttttat gatgaaaaag aaatccgatt gctatcaaaa 360
 gccttatcaa gcagcttatc ctaattacac taatgggttc taaatatcat aactgagaac 420
 ttaaaatgtg gtgggatgct gatatgcatg atgattcatc tccttacata tacatccatt 480
 ggacttttca ctatatgagg ctgggttata acatacacta tttactcctt tttt 534

<210> 10044
 <211> 564
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220108h11a1

<400> 10044

gacatgccaa aaggactggg aatttgcaga gtgctgtagc tcatatcatt actgctgtta 60
 ttggttctgg tggtctttct cttgcatgga gcacttccca attaggatgg attggagggc 120
 catttcctt gctttgttgt gcaattgtca cctatatctt tcattcctc ctgtctgatt 180
 gctacagaac tctgaccc ctcactggga aaagaaacta ctcttacatg gatgctgtta 240
 gagtttatct tggttataaa aggacatgtg tagctggctt cttcaattt ttgactttgt 300
 atgggactag tattgcttat gtactaacca cagcaaccag tctgagtga attctgagat 360
 caaattgcta tcacaagaaa gggcatgagg ctcttgcaa atatgggggc aatctgtata 420
 tggcactgtt tggacttgct cagattgtaa tgtcattcat accggatctc cataacatgg 480
 catgggtttc agttgttgcc gcacttatgt actttacata ctcatcatt ggactangac 540

ttggcataag cacagtcata aaaa

564

<210> 10045
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220108h12a1

<400> 10045

ggcttcgacc cttttaacaa agatgcgtgc gggtcaccgc tcgatacacc cttcttcgag 60
cctcactcac cagccacaga ttctctcttc tctattcaga caacggatgt tgtgtatacg 120
agctggcccc gtctcagcct ctacatccca aaacatcaca acaactgggtt gggctcctgg 180
gatggctcct tcctcagccg ggggaagagc tacatgttca acacaatctg tatcgacaag 240
tgagccagct gggctctgtcg attggctgta tgataacctg caggagccag atgtcaagga 300
actagacgct tgggtgtaca ggccggagga gcagaggtat acactttatg aatatcaggc 360
tgatgacatt cctggtgccc ttctcttntg atgtagatgg aagagcagat cgggctacag 420
aattaccacg catgctgtca tc 442

<210> 10046
<211> 534
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220112a01a1

<400> 10046

gttttgcttt gttcaagtag ccagccagtc atggtgctct tcaatgtttc acgcgtagag 60
accactccct tcgatggcca gaagcctgga acctctggtc tccgcaagaa ggtgaaagtg 120
ttcgtgcaac ctcatcact ccataacttt gttcagtcaa cattcaatgc attaactgtg 180
gaaaaagtta gaggtgcaac gctagtgtga tctggtgatg gtcgttattt ttcaaaggaa 240
gctattcaga ttataactaa aatgtcagca gcaaattggag tatgacgtgt ttggattggg 300
caaaaaggat tgctttcaac tcctgcagta tctgctggta tacgtgatag agttggagct 360
gatggatcca gagcaacagg tgcatttata ctgacagcaa gtcacaatcc tgggtggcct 420
catgaggatt ttggaattaa atataatatg agaaacggtg gacctgcacc agagggaatc 480

actgacaaga tatatgataa cacaacagac aattatgagt acttgattgc atca 534

<210> 10047
<211> 494
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220112a01d1

<400> 10047

aaaggaatat ggggcatat attggagtct gcatgggcaa ataaatgctc agtaaaatta 60
tgatacatgt acattcctca gcacactaaa acagatcagt ggccaaaaaa gaaaaaacca 120
aaaaccaatc agaaacagat tggagaagat aatatacatt gataactgtg aatgatgagt 180
ggcatacgca aagtaatctt gcaacatgta tgggactgag aactccctca ttgtagtgtg 240
agtcacaaaa aagccgcaca aacaggggtg aactagaacg agatctcaca aggtgcatga 300
aatgttcttc ctgcacatat tggttccagg ttttcaccag catacgaaca gagtgggtgac 360
acttcaacac ctgttgcata taagggcact gaatgagcta agaagccacc tgcagcaact 420
accaacgag tatggagtcg aagaacaagt agtttcgcac tgtctggagt gtcaacattg 480
gaaccatttg catt 494

<210> 10048
<211> 502
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220112a02d1

<400> 10048

aaatcgaaat acaatacgtt ttttcaaacc ggccagccaa gaatacatat gaaaaaagaa 60
agatttggtc tcttgctcaa tatatatgat cagagagtga cactgcggag cacaacagtc 120
tcaacggtga gtccagggcc gaaaccaa atgcacacccc agtcaagacc ttcaccggtt 180
gtgccaagtc cattttctat tgatttcttc ctcatattgat ccaagatgaa tagcacgcat 240
gcacttgaca tgttaccata ctgcgtgagc acatgtctag tagcttccat tttttcagge 300
ttcaggccta acttagcctc aacttggtcc aaaattgagg gtccaccagg gtgtgcaatc 360
cagaagatag aattgtaatc ggagattccc aagggttggg aggcttcaac caaggccttc 420

tcaatattct tggagatgag tccaggaaca tccttgagga gatggaaagt gagaccaact 480
tcgcgaaggt gtccatcaat ag 502

<210> 10049
<211> 371
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220112a03d1

<400> 10049

ggcccttaaa acccaagctt aaccaaacgg gaaaaaaggc cgggttaaaa aaccccggct 60
tttttttacc aataaaaaaa caacctttag aaaacaaaac cccaaaaagc aaaagggggc 120
caaaaaaaaa aaaaaaaccc cccggacccc aaaggtttaa aatagcccc ctttaatccc 180
caaggtttaa tttgccccca aaatttcccg ggcttggttt aaagaacttt ttggatttgc 240
tttcccaaag ggtcaaaaca atccccaccc attggggggg gaaagccaca cccgaaccga 300
gccttccgaa agggggggcaa gaaccattt ttgggaattt caaagattcc cccaatttta 360
acaaaagggg g 371

<210> 10050
<211> 551
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220112a04d1

<400> 10050

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cttcacggca ccgaaaatct attaatggat tttcaggttc aactccatcc ggagggcaaa 120
gggaaactgg atcaagtagg aattcctcct tgcacaaaaa tttaacttca gagaaaatat 180
ctcaacctgg attaatggat aaggcacttg atggaacttc tcttgaagga gttacttgca 240
agttgattgt taaaattcca agccaaggta gaagccctgc tcaaagtgc agtgcagggt 300
cttttgatga tctacaatc atgaatagtc gagcctcatc tctgttctt ccagagaagc 360
acgatcagtt tgatcactgc tcaaaggaaa agagtgcct ttatcgagcc aatattggct 420

cagatattaa tactgaatct tggcagagta atgattntaa agatgtattg actggctctg 480
 atgaggctga tggatcacct gctgcagtta ctgatgaaga gcgctgtncg attgtcaatg 540
 attgtaagaa a 551

<210> 10051
 <211> 487
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220112a05d1

<400> 10051

ttcaattggt gccaggacaa gaatgtggtg actgttttta gtgcacccaa ttactgttac 60
 cgatgtggga acatggctgc catactagaa attggagaga atatggatca gaattttctg 120
 cagtttgatc cagctccccg acaaattgag cccgacacca cacgaaagac accagattat 180
 tttttgtaac ttcataaac cttttgtttg taagctactg ctttatgctg ttactgtaga 240
 tgtgtcttta aggagagaag agtttctactg ttttaagtggg acggttatca tcaacataat 300
 tctttctttt ggagtttgtc tgctgttgct gctgctgccg tcttatttgg acaagaaaca 360
 aatagaaatt gacacaattg gtgtttgtat atttttgata ggaggaagcg gcaataacat 420
 gatatatcat gtgctggaat tttttcttaa attaaatctc aagttagaga gcagattttt 480
 gagttct 487

<210> 10052
 <211> 414
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220112a07d1

<400> 10052

aataaaaaaa aaggcaacga aaaaccattc attaaactga ttcacataat aatcacaata 60
 acaatttata aattttccaac ccaaattaaa aaaaaggcat aaaaatttaa aaattattca 120
 ttaaaaatca gaaaaagaaa aaggatcacc caaaaattca tttttccggt tacaaattcc 180
 ccgggtttcc acccacgcgc ctagaccgt tttgaagaaa agacccacg cgagtgatta 240
 ataattaatt aatcaatcac ctaaccgga tcgagtggaa acgtcgtcct tttgtgttat 300

0953113-032200

cccccttttg ccccttcttt ttctaaaatt ggtctccgat ttaggggtgt caaactttga 360
 caatctttgg ggcctttaag acggggttct ttttcgcgat gggctttttt cccg 414

<210> 10053
 <211> 552
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220112a08d1

<400> 10053

ggaagataat tataatttat gattcagaaa atagtcaaaa atacagtga tcatacttat 60
 acagatgaaa atacagtttg atatttgcct ctcatcaata agcaaccgaa tcagataaat 120
 agcttgactc aatcaaaagt acttactcct caaatatata tatgaaaaaa agaactagaa 180
 taaggcaggg ataggcacia cacaacacia cacactcttg aagctaactc taacaaacac 240
 cattcatctt gtcattgttc ttcttctct ccaacacaaa cttcttccaa atggcagtga 300
 tttccctctg agtctacata gcactcttct tagcaaccac taccttgcca ttttcttcag 360
 cagtgactgt cacactagtgt ctgcttatga ccctagcagg aagtgaatca agctcatgca 420
 gaaccttctc aacatcggcc acgaggcgct ctgcgagagt cctcgagaag tccttctga 480
 tgacaacacg aagcactgtg acatgttgag catctggtgg catggtgtat gctggcacta 540
 tccacccaaa gc 552

<210> 10054
 <211> 430
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220112a09d1

<400> 10054

aacgtccgct cgagattaac ttatcttctt attatctttt tttttttggt gaacacccat 60
 tcttggggat gcttttatta aattgactat gaacatcctg atgttttggg caaaaactat 120
 aaccacggtg actaaccacc ttaattggt tggatcttta ccaaaaataa agatgtctgg 180
 ggagagctct tgaacgaata tgactatatg cggccctca tgggtgcagac gcctttacca 240
 cttgactcaa tcaagagggg ccggtggtgc caccacaacc ttactattg ggaaagcttc 300

cgcccttatga actggatgag gattacagca tgaacatctg cgctgttgta ttcaaaaggg 360
gcaccgatac ggtgtgggtg cacttggaac accgcgaata gctgccgccg tgagcaccac 420
cgggaccacc 430

<210> 10055
<211> 430
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220112a10d1

<400> 10055

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gcatgcacaa ttgcaccata agtgcaagag gctgtctaaa tgccatacat acagagagag 120
gcaatgtgtc cgtgcttgtg cctccccaaa gttttaattt attattatta ttagattggg 180
ccagaggatc ctctgaagt atgtcttagc aggagaatac ataagcttaa ggtttctccc 240
aatcatgaga tatatacatt atgatatgat acaagattaa gctggaacag cttcctgcac 300
tttgccgttg cttgagagta ctaagctatc atagtaatca accagcacct ttcacccacc 360
agggcacata aatccatcag gaggactttc tttgttcctt gccagtgtgc gcacctttgt 420
gcctgatatg 430

<210> 10056
<211> 498
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220112a12a1

<400> 10056

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ctcatcgtag ttctctgtg catgaaaata gacggatcat aacaatcatg cccaaatcac 120
tctcaaaatt catccattca ggattacacg agaaggacac aggccttatcc atgtcattgg 180
atacaaactt agtagccacg aattgtattg atgatggtgt tgtgccacgg gtcagagagg 240
tgctgcaata ggttctcaaa tggctcttgg cctgtcacgt tgtgttgaac tatgaatccc 300
aagaatgcc aatagccaa tctccattg gcaagttcct tctccttggc ctccaaagta 360

ggtgcaaagt tcaaggggtt aaacacacta ccagggtatc cacactcatg ttggggcaag 420
 ctgtattgct tgaaaatggg gtctagggtg acagagccag ggttcttgat gtccctgccat 480
 ctaccgatct cgacgtag 498

<210> 10057
 <211> 516
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220112a12d1
 <400> 10057

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 ttgctcacia attagtcgac tatgcgttaa gtttaagggt taggattgcc cagaaattca 120
 ttacatcct ttctgttcca tacttccagg tggtaatgtc actttcaaac aaaactggac 180
 acctataaga ccttaacctt cctatgaacc aatgacttaa ttagatgctc aagcgaagta 240
 ctcttctggg acataaaatt ttaaaccaat ggcctctgca aatttaatat cagcgacact 300
 gtgatctgat tctctcccggt ctgcatcacc aacaaaaaag gatttatcca tatcaatggc 360
 aatgccagag ttgaagtgtt gctccataag atgccacatc cctggtttgg gtttgcgaaa 420
 ggatcatctt cctttttgggt tactttacct gatttactac ctacccca agctataaaa 480
 acctgaactg gaaccttcac tttcacaata aaatta 516

<210> 10058
 <211> 484
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220112b01a1
 <400> 10058

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 cttcttccgc actaatcga aaccagaggg aattcacaaa agaggttacc atgtcgggtcg 120
 atgagagtga ggagaaggag ttggatctca cttctccgga agttgtcacc aagtacaaga 180
 gcgccgcgga gattgtttac agggccttgc agttagttat ttcagaatgt caaccgtaag 240
 caaagattgt tgacctttgc gagaaagggg attcgtatat tagagagcaa actggcagca 300

tgttcaagaa tgtgaagagg aagatcgaga gaggtgttgc cttccctaca cgtgtgtctg 360
 tgaacaacac tgtctgtcac ttctctccgt ttgccagtga tgaacaagt gttggctgat 420
 ggtgagatag tgataattga catggcttgc catatagatg gactcattag tgctgtggca 480
 caca 484

<210> 10059
 <211> 471
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220112b01d1

<400> 10059

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 aaaacagaat tgagtaagag ggaaggaaac atagagaaaa ttttagcaat cagataataa 180
 gaagccagta gtagtgcaaa agtcccttgc caagagtgtt ggaaccctt ttagttaagc 240
 aggtaccttt ttcccttga gtggtttaac cactttccat gtgaagtcag ggtcatctct 300
 gccaaagtgt ccatatgcag cagtctttaa gaacctgcc ttttcacccc ttttgagatc 360
 aaggttgatg gagatcatgc caggcctgaa gtcaaaactc ttctttacaa tgctgaggat 420
 ttccttgtca gggatctttc cagtgccata agggtaaca aacacagaca a 471

<210> 10060
 <211> 440
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220112b02d1

<400> 10060

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 attggaagcc cctaatacggg gcccaagtcg gataaaaact aaatttgccc caaaggggtg 180
 ggcttgggcc tccggcttaa tcaaaaaaac ttctggtttt taaaaagatt ggtgggcttt 240
 ttggggaaca aaggcactac ctttttccgc atgatttact aaaacagggg gcccaatatg 300

gggtatttta gcaaaaccgc ccaaaaaagc ccttgggaac caatgggctt taaaaaaacc 360
 ttttttcaaa atacccttat tcacgggtgg ggcaaaaggc ccctgatttg ggaaaacccc 420
 aaattggccc cttttaggag 440

<210> 10061
 <211> 509
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220112b03d1
 <400> 10061

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 ataccacgac gctgaatatg taaaaacaag tataggcata ttacaaggca tgcccaaata 120
 gctacctatc tattttttct ttttggtttt tctaaaatcc aattaacacg gttcaaaaca 180
 ccgaaaacta aaaacataac cttattataa tatataagaa gcaactaaaa cccttaatag 240
 tccaaattga agcgccacag agaaacaaat ctgagaatta ttattcattt cattcagagc 300
 gattggcgaa cctctcaacc ttgtcatcgg tcaaattgat accaaccatg gcttcaccca 360
 atccgcagct aacctccgcc aaaatctcag ggtcgtgta gtgagtcacg gcctgaacaa 420
 tcgccctggc gcgcttcgcg ggatcgccgc tcttgaaaac gccggagccg acgaagacgc 480
 cgtcgcagcc gagctgcac atgagcgcg 509

<210> 10062
 <211> 625
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220112b04d1
 <400> 10062

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 gtacttcaca aatttactgt tgatctacca aagaagcatg gtagaggagg tcaatcagct 120
 ttgcgttttg ctgctcttag gatggaaaag cggcacaact atgttaggaa aacagcagaa 180
 tatgctactc agtatttcat caatactgcc accagtcaac ctaatgtttc tggacttata 240
 cttgctggtt ctgctgactt caagactgag ctaagtcagt cagatatgtt tgaccctcga 300

tgcttagtat cgtacgagtc attacgacct tatttccttt ggcttcagga taggcctaatt 60
 aagaaaacaa ataattccaa ttcatatatg aacatttttg cctccttatt tcttgaaaat 120
 gtggaattgg aattcctttc ctttggtctc aggataggcc taataagaaa acaataaatt 180
 ccaattcata tatgaacatt tttgcctcct tatttcctga aaatgtggaa ttggaattcc 240
 ccgaggaatt ccgatctcat ttcctttggc ttcaggatag gcctaataag aaaacaaata 300
 attccaattc atatatgaac atttttgcct ccttatttct tgaaaatgtg gaattggaat 360
 tccccgagga attccgatct catttccttt ggcttcagga taggcctaatt aagaaaacaa 420
 ataattccaa ttcatatatg aacatttttg cctccttatt tcttgaaaat gtggaattgg 480
 aattccccga ggaattccga tctcatttcc tttggcttca ggataggcct aataagaaaa 540
 caaataattc caattcatat atgaacattt ttgcctcctt atttcttgaa aatgtggaat 600
 tggaattccc cgaggaattc cgatctcatt tcctttggct tcaggatagg cctattaaga 660
 aacanataat tccattcata tatgaacatt 690

<210> 10065
 <211> 352
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220112b07d1
 <400> 10065

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 aacatacttt caacttatcc aaacaaaccg gttcctatat acattacaga ctccacatgg 120
 acatatattc aagggtgctta cttagggtat tattgtagaa acaaatgtaa cacaggctca 180
 agaccaacaa ctattctggg acatgtaatc attgacaaca gcttgaatag cactttacca 240
 ttaatgccca ttattcattg atttatatca gccatatggg gtttccacac cctcataata 300
 tctccaagga cttgaccctt gcatacaaaa cgatgtgtac aggtccaata ca 352

<210> 10066
 <211> 491
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220112b08d1

<400> 10066

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 atgtgaaatt gatctcatat gattgtcaca ttgtttgcc a tgtggcctac atgcaagcct 120
 ttacaccaac agcagaaagt agtactagaa agcagtatga aagcatgaac tccattctta 180
 aaacctaaat ggctcatct tgatcaaatt tcgaagccat cgagagagta ttcaattcaa 240
 ttgcatacga tcccacacaa tccaaggtcc aagggcaaaa gcaaaacctt ctcaaactta 300
 attgagtggg tcccattagg cttttaataa tagaaacct a cgcctatata tcaccataaa 360
 ttattaataa caacaacagg gttaaataatg taaattacaa gatctatcta atctagcact 420
 tgttgggcga gactcccacc aaagagtttg ctagatcgaa gctgacacgt gtcccctgct 480
 gctgcacgtt c 491

<210> 10067

<211> 405

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220112b09d1

<400> 10067

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 atgttccaaa ggccaaaaaa gtgttaactc tgcaaaaggg ttctaaatga ataataacgc 120
 gaaccctact ctttgctaca tacaaccta cttactaaga cagaagaatc ccaagatgaa 180
 aaatgcttct caacaatttt gtgcccacca cattcatagg gatggcacac aatatatgac 240
 tcatcaagct ttgcgtatat accctccaat cctataccac ctcttatcca tgacaacata 300
 gtttgtacga catgacgcag acaccaaaaa agccatggca aaaacataac tcaccattaa 360
 agcatttatt ttggacttag aagcacttcc tgtggacaat ggatg 405

<210> 10068

<211> 471

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220112b10d1

<400> 10068

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 gtagaatctt tttttgtacg agtaagttat tctagaagat tttacaacct aaaataaatg 120
 gctcgcttat gcaaattaca atgatttagc agcaccttct atgtaagcga tggcttccac 180
 ctctgaaagc tgttctccat caaccaaccc ttttattaag ggggtggcat atgctttatt 240
 aggggcacgt aagggtagct tcccagattt gaaatttcca atatcaagaa gggaacacgt 300
 tatgggaact actggaatat cctgctcctt ttctaaggag acaacattgg cataccaagc 360
 acccttgaca accttcaaag aggtgaactc cttgttagag atagcaatca cgggtgttat 420
 atcaaataaa ggagagcctg catcaaggct taaagcattt tttctgaaac a 471

<210> 10069
 <211> 593
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220112b11a1
 <400> 10069

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 tctatttctt ttccttctct ccgtttccgt cgctgcatct ctccctccgt tacggaaccg 120
 aagcccgta cagatggcgg ctgcgcaatc gatgatggcg gattacgcga aatcggggaa 180
 gtcgtcgtgc agggcggtgtt cccaaaagat cgaagcgaag gcattgaggc tggcttcggt 240
 ctccaaagga aatgggtccgt acgacatcgt caagtggcac cacctccgtt gcttccctct 300
 ttcctctcac tctcactcct ctctgagag catcagaggc ttttctcct tgaagagtag 360
 tgaccaggaa gctctgaaga agttatttgc tgaaaataaac aagtctgaag agaagggttaa 420
 tgaagcagat ggaagatgta cgaaatgagc tgcaagagac tggagagcgt ggttcaaaga 480
 gattaaggag tagtgaccag gaagctttga gaagtatttt gctggaaata caagtctgaa 540
 gaagagttgt gccacctgat gtaaagctgg gtgaacatta aatttaggtt ctg 593

<210> 10070
 <211> 491
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220112b11d1

<400> 10070

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agaaattata tcttttttaa aaggaaataa agctggtcga taagaatcat tgttgaagca   60
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aggatagccc agacattcat ttacattctt tctgttccat acttgcagct ggaaatgtca  180
ctttcaaaca aaactggaca cctatgagac cttaaccttt ctatgaacca atgacttaat  240
tctacgctta agcgacttgc tcttttggga cataaaattt taaaccaatg gcctctgcaa  300
atttaatatc agcgacactg cgatctgatt ctctcccggc tgtatgacca acaaataagg  360
atttatccat atcaatggca atgccagagt tgaaatgttg cttcataaga tgccacatcc  420
ctggtttggg attgcgaaag gatcatcttc ctttgtgatt actttacctg atttactacc  480
taccccaag c                                                                491

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<210> 10071

<211> 441

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220112b12a1

<400> 10071

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tatactacat tgatccatca aagggactat aacgcagata aacctcatac tgtataagat  120
acatgttatg attaacttat ttaattgaaa agcagagcta gaagctttat gtaatctact  180
ccctaaggtc gaaccaatga aaacattcaa actaactaaa agaaaataaa aaacaaaggc  240
ttcataaaga tagatttcat atattatagg atcatatgta accccaacta caccaccaag  300
aggacaaaga acttcacaga actaacccta aaaccactct acctaccaca ttctgacttc  360
ctaccactc ttttagccgt agcctttttc gctggagact ttacactctt tggattcaca  420
ctctgcactg gcgctttctt a                                                                441

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<210> 10072

<211> 368

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220112b12d1

<400> 10072

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tccataagag ggacggccta gtaatagata cattatacat gcgtaaaact aagggaaaaa 120

acgagggcta cagtttcata ctaagtttcc acccaaagta aagggccttag tctacaatga 180

gtgacagact aatgaagatt ctctgggggg ccttcaaaaa acttgacata ggaattttta 240

tttgattatc tgttgagaaa gaggagggat ttaagaggac ctagagatct tacagagaat 300

ctgatagttc aagaggatct ggttacagtg ggccgtggga tgaagatagt gctgagaaac 360

atcataac 368

<210> 10073

<211> 192

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220112c01a1

<400> 10073

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tacttccgct gctagctggc aataggcatt tattcttctt gtctaggatt ccctcattgg 120

aataaatggc tacatgcact tgaatctcat gaagggatcc tatgcagatg catagatgat 180

gtatgaggaa gc 192

<210> 10074

<211> 532

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220112c01d1

<400> 10074

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caaacgggtt aatcacaaaa aattatgtct ttcttttca cagaatcttg agatctttat 120

tgaatcgaag atcagattca tattaagacc atggaatccc caattgaaag ccaaaaacaa 180

acttttgata ttgtattcaa ttgtctcac agcagtaaag aacatctaatt tgtaaaatga 240

agaaattaga aagaaaaaag aataccaagg gtaaaactag tcacaacata cttgaattaa 300

ctaactaaa tgagatcaaa atcggaatga aaataaccgt acatgaccaa aagcatatat 360
 agttacaaac tctgacttta cctgtacaac caggtatgaa cagaaaactt ggtaaatagac 420
 aacatgagag agagaacgag agtgaagttg tacaacaaaa ctctggtttc ccgcagcaga 480
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<210> 10075
 <211> 502
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220112c02d1
 <400> 10075

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 ccagcacatg acacatggca cgtttccaaa ttatttacac gcgtgcatgc atctaatactg 120
 catgatgcat gtatgcacat taacacaaca aactagagg caaaatataa tctaataatag 180
 tatgaaatat atcatatgat tagtgacttt caatctataa aaatatgatc acagatcatg 240
 atatcaactc caagaaaggc ctttcttctc tccacaagat taacttagaa ataaaaatca 300
 acaaategat ttaatatatt agtatacctg aatgcctag tatacccaaa atctggtcac 360
 ctcttcaatg taaaaatatt ggtatcccat tttataacat agtatggttc agtgcttata 420
 acaagccagc ttccaagaga tttctccgac tgaaagtctc atcaacaagc ttgaaagtct 480
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<210> 10076
 <211> 359
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220112c03d1
 <400> 10076

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 cttgaccact tatcaatata caaatatttt tagcatatgg gttatactcg gggacatgac 180
 cgctaaacgt aacgtactct atgtgtacaa ggagctatgt taatattaaa atgccatgac 240

tactgcgctt agagctcgag acacctaaac tcatcatcta tggcgaccta atgtagaatt 300
 ggaataccat attctaattg atcattgact gaaacatggg gtgcatgatt ccttaagcc 359

<210> 10077
 <211> 597
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220112c04d1

<400> 10077

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 aacttggaga aattacttga tcttgtggag aaaagttgtc atcagataca caaggaaacc 120
 atggtccaca aagctgcttt gaagggttaa gaaggttcga atcagcagtt actgtcacag 180
 gggcatctca atgatgtgat tttgtactga agttgccttt tcaggaaaat gttcttttga 240
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<210> 10078
 <211> 607
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220112c05d1

<400> 10078

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 cgaaaggaaa gtgaggccag tggatggtcg tcgaacttgc cggagatttc gaagtcgcat 180
 cactcgtctg agcggcggtc gcggtgaac aagcggtgca gggaagatcg cggcgtggcg 240
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aagatagggg gcatcgacaa ggccacgcag atggaagga gcatgaggat cgaggacgat 360
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 gcacgtgcga acggcgcgga gcacgcgtgc aagacgctga ggaaggtgga ggagacggtg 480
 cacagggagg tggagataat gcagcacgtg tcggggcacc ctgtggtggt gacgctggag 540
 gctgtgtatg aggatgatga gcgttggcac cttgtgatgg agtngtgttc ttggaggaag 600
 gtggttg 607

<210> 10079
 <211> 303
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220112c06d1
 <400> 10079

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 acttaaaatg gaccggaaga acctaccacc ccatggctct aacttccaac ctctttttat 180
 gccggaacca aatttgagga aaccttaccg gtgctttttt ttaaaaacct tttccggggc 240
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<210> 10080
 <211> 595
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220112c07d1
 <400> 10080

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 aaactatgct tetaaccttc cgtaaaaaag ctacatcttt gtgttttcca cttatcttaa 180
 gacatgtctg tgtaagcaa aagagtaaac aaatgttggg aaaatctgca tgggtgcaaaa 240

tagtctaagg actataactg tgctaagagg caaaggtgac gactgattaa ataatctgaa 300
aatcttccat aggcactgaa agtcaaaagg gccttaatta attaatccga gacatggcca 360
caggttggtcc tcacataagg actcaaaggg ctcaatgcga atggtgaaag acttcctctt 420
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taggggctta atgccaacga tgacaacctt ccttttgtca tctttaaacc gttatccaaa 540
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<210> 10081
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220112c08d1

<400> 10081

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actttcccc cgggaaaaa aaatcttggg gaaaaaaaat tctttttttt tattttttaa 180
cagagggccc cctctttgga gccccaaat atttttcccc cccctgggg gtggttttgc 240
ccccccctt cttggtgtcc caggggggaa aatttttttc cctctcccc ccccccaagg 300
gggccccgt ggggattttt tggggggggc cccccctt tttttttttt ttttggggga 360
agccccccc acaaaatata cactctttt gggaaagatt tctttnttt ttttttttg 420
ggggtgggg gcccccccc 440

<210> 10082
<211> 490
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220112c09d1

<400> 10082

agagaagagc atttcgttat gttatcatt gatgaacaaa cctctacaaa caaggttaaca 60
tggaagaatat ccatatacag cacagcctat ggatcaaata acattctaata ttaaataaat 120
actaaagtca aatatgaccg accgtctact gaaacatagg aagcaagaat tttcattact 180

aggggggctc tctattataa atatacacat ctatgctagg tatgtcggtc atctaaataa 240
 caggccgggc ttttaagtgt ccgcatcata atgattggga gctcccttcc atttaactac 300
 ttggatttac gatcatgtga aacacgctga atttttgata tgatcaaaga actgtccaat 360
 acttataata ggctatatgt tcgctggatc ctgcgatagg atcttcaagg ctcaaccatg 420
 tcggatgctg attgcatgga attgccgttt aaaggcctta acatatcgac ttacctgat 480
 ttaacacgtg 490

<210> 10083
 <211> 398
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220112c11a1
 <400> 10083

gattaatata tagaagaccc atttattatc cactaaacaa aaagttatca agagaggaat 60
 cgtgctacat tgatttcaat tcctggagat agaaacatgg agctaactgt aaggctaagc 120
 aatgaaatct atatacttaa cgaataaaga tgcgcaatga ttacttttta ataaaccgat 180
 attgcttggc cgggcaagtc atctatctaa tggccaagac accattggct tcttgtgcct 240
 atagagcttc cgcacgccag gatagtaagg gactacagta acctcaatcc agtcaatggc 300
 atgataaaac ttagatgggtg agaacgaacg tgctgctttg gaattgaggt tccaaatccc 360
 agtccatttg acacgcttgg atttgtctga accagggc 398

<210> 10084
 <211> 367
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220112c11d1
 <400> 10084

aacaaaatat aaacatttcc ctgggacaaa ccttatgttc gggaaattaa ttaccttga 60
 ataagccagg ttagtggttaa atttttatat acagcatttt ttacgggaat tgcacaatga 120
 aacggggacg caatgagcat tcggaatgat agaatcgggtg aactggctaa aaagggtcag 180
 gcaaacctat gggagccact ctggggggaa ccttttccgt tgcggaatgc acaatcaacc 240

ccccgcagc actgcctaca agacttttga agccaaaatg cctgctattg gagatcatat 300
 tgccccgacac ttcctgatac actaaatcta acggagggtc cggccccca cacaaaggat 360
 tatccaa 367

<210> 10085
 <211> 511
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220112c12a1

<400> 10085

ataataaatt tagggacata ttacacttta tttcaaatat aaatggctgc aatgataagc 60
 atatgaagct cattaaagtt atgtgaaatt tctcttacat gcccttttca agggaatggg 120
 cggatctgtg aaagccccag aagagattaa atcaaagaca accttgctag ctgcttcagt 180
 gtagtgggtt ccatcccata ccactctaac agatgggtctt tcgcatgaac ccacaacaat 240
 atttgtgcca ttgacctgta tggttcctcc acattcaaca ctctggctga agttgtacgt 300
 ccctacatag ccacaacaag caacatgcgg gagttcaaag ccatatttct ttgggttttt 360
 gaatagcaag tacttagcag agtagatatc tacatatgta attgcagcca aaggaagctc 420
 cgtacgaagt tgaactaaag cttccttcac attgtgggta aaagactgag ccacctcatt 480
 atatgccttt gcgcaatcat agctatcccc t 511

<210> 10086
 <211> 427
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220112c12d1

<400> 10086

atgaggaggg agatatgacc atggctgttt aatgattaat gcctgaatac attgtggacg 60
 aaggggagcag gattgcagcc aaagtgtccg cggttctagc ttcggggaac tctgataggt 120
 tccggctaac aggaagaccc tacacagtaa gagacgtggg gtctctccga ggcaacctca 180
 gacaaacctt tgccttgaac gagatggcta acaagctgtg gtgcgttctg aagaaccacc 240
 aagcctgcgg cacagcctca aggactttcg gtgctcttga tctgcccag gtcactcgaa 300

tgggcaagca cttggacaca atgtatgcct tagggcggca gagctcaggc actcacacca 360
 cgagcaacga gccgggccct gatggtgagg aataccctta tgatactgtc caagacaagg 420
 ttgatca 427

<210> 10087
 <211> 508
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220112d01a1
 <400> 10087

ggatgatacc atgatcccaa ttgaatgttt tgaggaacca tgggttatct ttcgaggga 60
 agatgggaag cctggatgtg tgcagaacac ctgtgctcat tgagcctgcc ctctgcacct 120
 tggttcagta aatgaggggtc gtatccaatg tccctacat ggctgggaat atactactga 180
 tggaaaatgt gagaaaatgc catctactcg acagctaaat gtgaaaataa agtcagttcc 240
 atgctttgaa aaggagggga tgatctggat ttggcctggc aatgaccccc cagcagccac 300
 acttccatct atactacctc cttctggatt tgaaatccat gctgagattg tgatggaact 360
 tccaattgaa cacggtttac ttttggacaa tcttttggat cttgcacatg ccccttttac 420
 tcacacctca acatttgcta taggatggag tgttcccagc ttggtgatat ttttgacacc 480
 tgcattctggc ctgcaggata ctgggatc 508

<210> 10088
 <211> 504
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220112d01d1
 <400> 10088

gatatcaaac agtagtaaca ttaatgggac aatagagttc aacacaaacc aaacttattt 60
 tcaaagggtca ttacagaccc attacacatc acatttcttc ttaaaatgtt tgggaaaatc 120
 caacatcgaa catcacacag aaatcagctc cagcttaaaa cccccacga agacgcaaca 180
 ccaagtgcag agttgactcc ttctggatgt tgtagtcagc gagggtcctt ccatcctcta 240
 gctgtttgcc agcaaaaata agcctctgct ggtccggtgg gattccttcc ttgtcctgga 300

tcttcgcctt cacattgtca atgggtgtcg agctctccac ctcgagggtata atagtcttac 360
 ccgtaaggggt cttgacgaag atctgcatac caccacgaag acgcaacacc aagtggagag 420
 ttgactcctt ctggatgttg tagtcagcaa gggtagctcc gtccctcgagc tgcttgccgg 480
 cgaagaacaa cctttgctgg tctg 504

<210> 10089
 <211> 451
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220112d02d1

<400> 10089

aatgaagaat atatagaaga cccatttatt atccactaaa caaaaagtta tcaagagagg 60
 aattgtgtta cattgatttc aattccttga gataaaaaaa ttagctaac tctaaagtta 120
 agtcatgaaa tagaaatact taaagactaa agaagcacia tcattacttt ttaattaatt 180
 tatattgctt gctttcgcaa ctcattactt ttattgcaa ttaagtattg tctttttgtg 240
 cctatggtgt ttcggcacgc caggaaagta aggaattcca gtaacctcaa tccaatcagt 300
 tccatgaaaa aacttagatg gtgagaacca acgtgctgct tttgaattga ggttccaaat 360
 cccagcccat ttcacacgct tggatttgtc tgaaccaggg ccaatgttgc ggtactcggc 420
 ataaaagcac gtatccatac cagaaggacc c 451

<210> 10090
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220112d03d1

<400> 10090

aattgaaact gatgcttgaa gtgaaaacta aagcaccacc ctctgttgc ttctttcttt 60
 caggggtgga aaaggattaa ggatagagg gcatatattg aagtgtcccc accatggaaa 120
 aataaaaata aaaattacag agtcaaagta gaaaagaaaa gataaatttt tttttttttt 180
 gtgacttttg aaagtggatt gcttctcagc tattaaatcc atgcgttttc tttcccgctg 240
 tggcctttt 249

<210> 10091
 <211> 607
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220112d04d1

<400> 10091

gctccgaatc cccaacttca tcgctgtcaa cgttcgtcac cgtctccgta acttgccctaa 60
 tcctattcct ttccttctct cegtttccgt cgctgcatct ctccctccgt tacggaaccg 120
 aagcccgta cagatggcgg ctgcgaatc gatgatggcg gattacgcga aatcggggaa 180
 gtcgtcgtgc agggcgtggt cccaaaagat cgaagcgaag gcattgaggc tggcttcggt 240
 ctccaaagga aatgggccgt acgacatcgt caagtggcac cacctccgtt gcttccctct 300
 ttcctctcac tctcactcct ctctgagag catcagaggc ttttctcct tgaagagtag 360
 tgaccaggaa gctctgaaga agttatttgc tgaaaataac aagtctgaag agaaggtaa 420
 tgaagcagtg gaagatgtac gaaatgagct gcaagagact ggagagcgtg gttcaaagag 480
 attaaggagt agtgaccagg aagctctgaa gaagttattt gcttgaaata acaagtctga 540
 aaagagttgt gcacacctga tgttaaagct gtggtgaaca ttaaaatttc agttctgatg 600
 tcaagag 607

<210> 10092
 <211> 469
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220112d05d1

<400> 10092

tgcaggagtg tctgatccag tcgggagacc gttcgaatta atgggggggg ggaggagctt 60
 actagggggg ggccgccctt ttattttttt tctatttaaa gtttattact gaaaggatct 120
 atacttagtg tacagattaa tcgaaccatt ggatacaaca aacgcgtcag atgattaagg 180
 gtccctatac ctataacact aaacattaaa aacagttgaa acctcagaat ttacagttac 240
 aactgatgtg catacatgac gatctaacag cacactggat ggtgctcttt ctgtaatgta 300
 cttccaaagg catagcacca tcctgggact ttgtacaggg gcaatcacgt aatttgactc 360

aaattcagcg atgtacaacc tctaattcatt ttcataatgt acttctttac catcattctt 420
gaaatgggtca atacatatgc ccatgggaac atctttctaatt ttaaagagc 469

<210> 10093
<211> 560
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220112d06d1

<400> 10093

gaatattaaa atgacaactg gtacaattat gtttgggaag agttgcatta tacatcaaag 60
ggttagtaga acccagtagt ctcttgtgca catatattca attacataat cagaagaatg 120
tgctgcacaa atcaaacgaa tgaataatac atacaaggcg aggaaagaat catcaaagac 180
ctaagtggca ccacaagcac ccacctaattg atgacaccac aggaaaatga ttctattcgg 240
atgctgatca gccaaactga tagcttttoga cattaaaaca aaactaggcc aatgcacatc 300
cgaataaaaag ccacttgaaa tgagattttg cgataagaat acccgatggc tccctttaga 360
agacactctt ccattgccata aaccataacc tcatgtagac aattgaaacc taccactagg 420
cttctttctt ctccatccca aggcagcata atatacaaaa gtcaatccag ccaatgcaac 480
aaatgcaatc tgaaagacgt tgtacttgta caaatattta attccacgaa gagattccaa 540
ggtgtggcca aatatttcct 560

<210> 10094
<211> 544
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220112d07d1

<400> 10094

aatagttcga cattttataa ttttaaaaaa agtgacaaag gcttaaataa actatcaaaa 60
attaaacaca tcgttactta gttttttttt tgggggggtgg ggtacagata cacatgcaat 120
agccaaattc aaatcaaggt tgcaaatgtc aaaatcttgt caaataactt ggttttatgc 180
tgttaaaaac caaacacctt atccaacttc cttgaacca tttaactctt tccattattt 240
ttgcacctct caacaatgta tgttctccat gattattgca cctctcaagc atatatcttc 300

atcatttgca cctttatcaa acacaaactc tacatctggt aagcactcat gatagaaaca 360
 cctacaattc aattgtaata ttagcttaca cccacctatt atcacatgaa tatacaataa 420
 caataaagaa gctagaggac ttgaaggaag caaactgca caaacagcaa atttttctat 480
 atgccagggtc ataacttagc aatcaaaagc ttttggaag gaaaatgttt cgtttgtaa 540
 acca 544

<210> 10095
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220112d08d1

<400> 10095

gttccaatca agagatgata tggtgttatt ttatattact ccagcaagct catttaatat 60
 tcttattagc gtggaaatac aagcgtacaa gccaaagtcgt gcatagaacc atttaccacg 120
 ggcgtgcatt gcgctcactc agacactatt gaactgcata tattaatcaa ggggcacatt 180
 tgtatcctgt ttaaaacgcc aaatatgcta gtgctctaac tgtaaatac atgctggcta 240
 ctttatcgat ggctgacact agaaaatgct 270

<210> 10096
 <211> 507
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220112d09d1

<400> 10096

ggaagggggg ctattggggt ttttttactg ngccgggaga agaaatttgg gagtattgat 60
 gctatgaaaa agctgaagaa atctgaaatg cttaggagag gccagggtga acatgttaga 120
 gctgagagga atttgctggt cgaagttgcc agtcattgca ttgtgaaact ttactactca 180
 tttcaggatg ctgagtactt gaatttaatt atggagtatc tgccctggggg tgacgttatg 240
 actctgctga tgagggaaga caccttaagt gaaaaagggtg gtaaataccac atacggccaa 300
 aggtgttctg gccctagaat ctattcacia actcaattac attctcagag ataataaacc 360

tgataaccct cttttggata aaaatgggtca catgaagctc tctgattttg gtctctgtaa 420
gcctctggat tgtattgcct cgctacact gcatgaaaat cagaccatag atgatgaaac 480
tttggctaga cccaatggat gttgatg 507

<210> 10097
<211> 332
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220112d10d1

<400> 10097

gaatgaaatg aggatggttt tttcatataa aaagcacaca acacttgcaa gtgggatact 60
tctacgtctt aaatggataa atacattcgt ggtttcaaaa agtaaccaga gctacaatta 120
taacagctta tttacaacac gcttaacaaa tttacaaaga aaatcctcca gaaagcgtaa 180
ttagactgct tcggcaaagc caacttggag atttccatag tcaaagacgg tgtgatatgc 240
cctcatgaaa acatcgccaa gaatccacaa tggacccttt ggaggaggaa catcaaaagc 300
aataaaccga ctaaggcaga cttctgtaat gc 332

<210> 10098
<211> 539
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220112d11a1

<400> 10098

gatgttacc cttcgacaat aataaaaacg caagtgtac actgttcact ttctcacaat 60
catttcatca aacactactt atctttaagc cacacactac agttatggaa catcaacagt 120
attatcatca tatcatcatt ttcataatt ctgaatctag cttccacaca aagtcattac 180
tgctgggcgc actgtaccct ctgtgcacca ccaggcatgt catcatcctc atcatatgcc 240
tcttgagctt gttgctgctt cctcctagtc tctcctcca tgttgacatc atggagtgt 300
gtttcctcac attcatccag ctccatgtct gtcaattgtg aagaaggctt tgggtggcaga 360
acagcctcca aggccttaac ttgatcacgg tctatagact ctggaaactc cacagtgaag 420
tgaatgtaaa gtttcccctt catgaatggc ctctgatata tgggcattcc ctcatcattt 480

atagcccttg atgaatcaag ctttacaact tccccgggat tgatgtaata agaagctga 539

<210> 10099
<211> 316
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220112d11d1

<400> 10099

ggcaaggaaa ccaaactcaa aaaattttca aaactgttgt agaattaggg acaacatggc 60
tggaggatca cttggagaca acattggatt gaaggaagat gctatcaaga ggggtgcgtcg 120
gaaggcctgc taagctaaca attacaaggc aacggataag ctctactttt acgactcggc 180
tcagattttc tcggaaactt accatgtttt tcagcttccc ggaatctagg gacccctctc 240
aaaggattgt taacaaaccc ttaggggtat ccaacatata tgctaccccc tccctttttt 300
taaaactttt gttaac 316

<210> 10100
<211> 401
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220112d12a1

<400> 10100

tttgtttttt tttttttttt catatttttt ttttttttca aaaaacagca attaatcat 60
tcaaaataaa cggagacgct acattttgat gaatgcaccc atttcgacca agtattgtca 120
ttgccagttt tttattccga tatttttacc caaacgaacc gatcttaatc ttgactcaaa 180
cttacaacta cgaagaccgc acaaaagaaa aaattttcaa atacaggctt cgacatacga 240
tgctcacatg attgaatcaa ccaatcaaac agctgatacg actacagcac tccggcgacc 300
acgagggacc acggagatca ttccgacggc ggcggcgacg attgctgtgg cagcaacagt 360
ctgtacggcg acaaccgcgg tggatgcaat gggatgaat a 401

<210> 10101
<211> 279
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220112d12d1

<400> 10101

gacgacaatt gaaaaaccgc ttatttttttg gcgatgttgg aagacccgcc ctctttaccc 60
 gggatcacaa gggggcggtt cccgggccctt ggtccgtctt ggttcctatt tagaaaaaaa 120
 caaaacatgg ggggaggggt ctggaacctt gtgtttcaac ccggcggggg gggggggaaa 180
 cctttcggga ctcaaaatag ggggggcccc cccccattt ttggttatta tatggggggg 240
 gggcccaatt ttctttgggg ggggggagga atttttttc 279

<210> 10102

<211> 455

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220112e01a1

<400> 10102

cctcggggaa ttccaattcc acattttcaa gttataagga ggcaaaaatg ttcatatatg 60
 aattggaatt atttgttttc ttattaagcc tatcctgaag ccaaaggaaa tgagatcgga 120
 attcctcggg gaattccaat tccacatttt ctagaaatta ggaggcaaaa atgttcatat 180
 atgaattgga attatttggt ttcttattag gcctatcctg aagccatagg aaatgagatc 240
 ggtattcctc ggggaattcc aattccacat tttcaagaaa taaagaggca aaaatgttca 300
 tatatgaatt ggaattattt gttttcttat taggcctatc ctgaagccaa aggaaatgag 360
 atcgggtattc ctccgggaat tccaattcca cattttcaag atataaggag gcaaaaatgt 420
 tcatatatga attggaatta tttgtcttct tatta 455

<210> 10103

<211> 432

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220112e01d1

<400> 10103

gggaaaaaaa aggtaataag cgccaggggg taaatacccc ccagatttg ggggcaacga 60
 aaaagccttt ttgggggccc cttggaattt gtgtgggccc cgaaaaaaa gacaggtttg 120

aagcccggtca cagatggcgg ctgcgaatc gatgatggcg gattacgcga aatcggggaa 180
 gtcgtcgtgc agggcgtggt cccaaaagat cgaagcgaag gcattgaggc tggcttcggt 240
 ctccaaagga aatgggtccgt acgacatcgt caagtggcac cacctgcgtt gcttccctct 300
 ttctctcac tctcactcct ctctgagag catcagaggc ttttctcct tgaagagtag 360
 tgaccaggaa gctctgaaga agttatttgc tgaaaataac aagtctgaag agaaggtaa 420
 tgaagcagtg gaagatgtac gaaatgagct gcnagagact ggagagcgtg gttcaaagag 480
 attaggagta gtgaccagga agctcttgag agttatttgc tgaaaat 527

<210> 10106
 <211> 580
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220112e05d1
 <400> 10106

ttttctttct tttttttgat aaagttatct gatcaaattc cactcaagtg cccatagcaa 60
 aggctgcaaa caaccaacac tagtggttcgg ccatccgtaa gaaactgaac aaagaagaaa 120
 tgactgggag aaacttcagg atctaaccac ctccacctg tctgtgttca tgtaatgact 180
 gtcggagcgg atcgaccagt gaattcttcc atcttcgaaa gtttcaatgc aacttcaca 240
 agaggagcat gggcttcatt tgaaagtctc ccaatctttg atggatcctt ctgatattgc 300
 tcaatgtata gccgaattgg tgcaccttct gatccagctc cagataggcg gaaaatcaat 360
 cgcgatccat cctcaaaca atatccgatt ccctgatgtg atgagatgga accattcaca 420
 ggatcattgt actcaaatgc atcacgcga acaacattcg aaacatctga cttatcccc 480
 ttaataatgt gattgacttc tgcaagtgat gactgcagct tgaccaaagtg tgccatcagt 540
 tcttttggtg caactgcata cacattttca tagtcatatc 580

<210> 10107
 <211> 538
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220112e07d1
 <400> 10107

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 tgcaattgat gatgatcatt gacactgCGT ggataaaatg gaaaacggta atccccatct 120
 aaaggcaacc catcctgaag ctttaatttg gcatcacaaa ttatgtccca tttcatcacc 180
 attttgacta aataaaacta ttggcaaaca tgctacatcc acatgaggtt ctgcctccac 240
 ctcagtttct gtctttgtta acctcttcaa cccatgttct ggccagctct ggatcctcta 300
 gtggaatcag aatcagttca tgttctgcaa ataaatcact gccttataat ttcaacttat 360
 gtagttccat gtacacccat taactgaatc atagaccata tgctagattt taccctcatc 420
 ttctgtaaca gagctactgc agcctagaat agtctccata tgctgatccc tctcactcaa 480
 aaactttgtt gagttgtact cttctgcac taaagattct tcagagtatg tcctctga 538

<210> 10108
 <211> 419
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220112e08d1
 <400> 10108

gggtgtagga agaccgatgc attagccaaa cccagttatt aaggcttggtg ttaatgccaa 60
 aactcataaa atgaaacttt taacagaggt taatgggggtt cctataatga gggggggggg 120
 cgctatctca aaagtcggcg ctgtgaaaaa aggggggcct taagaagatc tacttgagct 180
 agaatcctgg taaattcttt ctgtgggaga cacaccacaa agcggtgact gggaccaagt 240
 ttagagggtt taaccggggc gttaaggggg cggggctaca aaacaaactc cttaggaaat 300
 gccggttact taaaatctga ggagtctgct ttggagcttt gccgaacact ttttgggggt 360
 ttggcactgg gccttgcatg aatgaacgat gattcctcct ctaaaagaac acttgggct 419

<210> 10109
 <211> 418
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220112e10d1
 <400> 10109

ggggaaaaaa aacaaactt tttttttttt taaaaaaggg gcacacaccc agttttttcg 60

aaattttctga agaacaaaaa acccgggggc ccggtttttt tttccccccc caaaaaaaa 120
 cccccccctt tggaaaccct tccccggggg gggggggccc cccccccca aaaaattttt 180
 ccaccccaaa aaaaagggcc cgtttttttg ggcaaaaaaa atcccccggg gaaaaaaagg 240
 ccccccccaa aacttggggg cccctggggg ggggggggac cctggcccaa aaaaaaatgg 300
 ggggggggata aaaaaaaacc ccggggggat ttggaatccc cacagggggg gggggtttta 360
 aaggccccggg cccaaaaatt tttttggggg cccccccaaa acccaatttg gggggggg 418

<210> 10110
 <211> 530
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220112e11a1
 <400> 10110

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 atgacagctt gaatatgctt aaggtatagt tcaatcctac acaggagaca tgtacatttt 120
 gaatcttcaa aagtcgtcca gaagccatcc aagtcgcaa actatctata gcaactgatca 180
 ctaatcaaag taatcacaca ggttgatggt tacatacccg atatgccacg agccgctgcc 240
 acttaggaac ttggtctaga tgttggttca tacaatatcc tcgcaaagt atcggaatat 300
 cttgcatcag tgaaaactat ctctgcaaaa gcattctcat atgctagcag caaacttctg 360
 atttgcggt cagacacaag actctccaat atcatggcgg atttgcgga aacttatgga 420
 actggatgtg gcatctttat cactttaagc aaccgatcaa taggcatat ctcgttagca 480
 atcttcaaat ctgagtcocat attagcttca gcaagggtat agagtgcacc 530

<210> 10111
 <211> 462
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220112e12a1
 <400> 10111

aattcaaatt ttcattcaat cgtcaatctc aaaatttgaa agaaagcggt attttggtaa 60
 aacctgaaaa cagtgcatag gagaaaaaaa aacaaaaaat cccaaagaaa atcaagaggc 120

attccctcct aaattgatag caagcaaadc caacggaaaa ttgaaacatt agaggaagaa 180
 aacgaaatca tgctagcatt tttgtcaaaa gattctatgc gcctttgatc agtttcagtg 240
 catcctcctc tttgggaagg gcgggaattg ctcccttttg ggtagttgta attgctccac 300
 atgcatttgc atacttgagt acttctctta accttggttc atcttcaaga atggactgat 360
 catcgacaat cttggacaat agagcaccaa caaaggaatc accggcacca gttgtatcaa 420
 ctgtattaac atgaaaagca tctactgac ctttgaaatt ct 462

<210> 10112
 <211> 323
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220112e12d1

<400> 10112

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 ctgggtgtctc atgttcttgc cggttgctcc tatcagaaaa tatacaaacc cccatgggtga 120
 caatttctat tagattctgc gtccaaaaaa gacgggatgg gcatggcact gctgacaaac 180
 ttcaaagaa agaattatgt agcggatgac cgtcccactt aaacaaggaa acttttttct 240
 tctttaagac acctttccac ggactggata tagctgttgc tttcaaacag cgggttatat 300
 ggaggtacca aaaatagagc ggc 323

<210> 10113
 <211> 431
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220112f01a1

<400> 10113

caagacaagc acaacaagca ttctgaaatt ctcttatttg ttagtatcag gactagtaac 60
 aattaacctt gaaaataaag cttcatctag ttttatcttc cataggtaga aaagtgatca 120
 agagaataca caagtcacca ggtgggaatg taccatcatc accaacacca aggaaaaaac 180
 attcattctt cttccagaat gccaatcccc tctgagaggc acatgttctt tcaaacagga 240
 aatggatctg gtgattctgg acttgtgctt tcaactgatg ctaagcctag attaaaatgg 300

acaccagatc ttcattgccag gtttatagaa gcagtcaacc agttaggggg gagctgacaa 360
 ggcaactcca aaaacagtaa tgaaactcat gggatattca gggcttacct tatatcatct 420
 aaagagccat c 431

<210> 10114
 <211> 521
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220112f01d1

<400> 10114

gcacaattct ggtaaaattc cagatcaata aggattgcgg cgaagccgca aagatacaac 60
 attcattagg gaaaacagga gtggggaaaa ataagggggg aggggttgag gaagaatcaa 120
 ttgctcacag agcatgctaa gacacctaaa tattccacac acagttattg aaacaacca 180
 atatagagaa aatttttctt tgggtgtatta taatataaag cagaaccaa tgacttgga 240
 gattctactt tcttatacca ttcacttggc aagtctgttg cggatgagtt ttgctgcggc 300
 aaccatgttt gtgagggtg gttcacctc agtgtactta cgggtcttga gcccacagtc 360
 aggggtcacc cacaagatgt tcttctcgag cactgccagc atcttggtga ttctgtcagc 420
 aattttctca gttggtggtt ttcttgggga gtggatgtca tagacaccag ggccaattcc 480
 agcaccatac ttacacctt cgcggaagac tgacagaagc t 521

<210> 10115
 <211> 522
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220112f03d1

<400> 10115

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 atgatcaccg tgatgatggt cgccgacacc gtgcagtaa ccaccgcaa aggcctcggc 120
 gtccttcgcg cctgccaatc cacctgtaac ttttccctcg ccgatcagat ctccgccatg 180
 attcagactt acgacgccgt cgcgccgccg ccggtcaagc ctactaccta caggctaaga 240
 cgccggagcg tcctccggag aaaacaacga accaaacgca gattatcagg agacgactcc 300

ggggacgccg gtgacgaggg attcctcttc ggtgacggcg gagacgggtcc ttttgccggc 360
 ggtggtgggt tcggtggttag cgggtggtgt tggaatttta atagatttgg gagtgggcac 420
 aattgggatg aaccttcgtc ttcggtgccg gacctgcgt tcgatttcgt gtatcaggtg 480
 ctgtcgtgga ttatgctctc gaaatgcttg catttgcgtt ca 522

<210> 10116
 <211> 587
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220112f04d1

<400> 10116
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 agcggcagct ggagctctag gtttttgaag gtggctagtg cagctgccgc tacagccgcc 120
 gttgccggcg gtttatatgc cattctttca tcctcaacct ctgctagctc tgagatggaa 180
 gtgccgtttg gcagcgacg gcgtgagagc aaagaacgtg acgatgggtg ctccgggtct 240
 catcctcgcg agggtgccac cacggtcagt cgttgaaga aacctgagat tggttgggtg 300
 aagctgaacg tggatggttc acgcgacca taaaaagtt cctccgctgg ttgtggtggt 360
 gttctgaggg acgcatcagc aaagtggctc cgtggctttg ctaaaaaact gaaccctact 420
 tatgcagtgc accagacaga gttagaagcc attctcacgg gcttgaaggt ggcttcagag 480
 atgaatgtta agaaactaat tgtggagtca gacagtgact ctgtggtgag catggtggag 540
 aatgngtta agcccaatca cctgactat ggtgtcgtgg aacttat 587

<210> 10117
 <211> 557
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220112f05d1

<400> 10117
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 ctaagctgag gccgccctgg tcgtcctttt ttttttttgt tttttttttt ttggttttaa 120

atctgaaatc ttgggagaat aaattaaaac ccctccaaca attaaacata tttatgctga 180
 atcaacgagt tcaggattcc agaaaagtgc gggagcctaa gaaatcaaat ccctattaac 240
 aatgcatgtc cgaatgctag ggtaggtttc ctatcgaaca tattcaactt ggggaaaaat 300
 gtaccccaat tgaaggga cgaaccctga caaaaagggt tgatcccttt taagcttagc 360
 ctgggcctgt accaccatga gtggcttcca cagggtccat gtgaagccac ggctaactt 420
 gcctaagcgt tccaatgcct tactttctaa gaactgtgcc caatgcatcc ctctcgcgag 480
 acaaggggat cgtctatcag gccaggcgct gaagcaaaaa ctgtacttaa cgaggcttaa 540
 gatattcttg tccaggg 557

<210> 10118
 <211> 410
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220112f06d1
 <400> 10118

cttggacaaa tctgcttatg gttacaatag aaaattaaac aacttgctga aaatggtatt 60
 tgcaattgat gatgatcatt gacactgcgt ggataaaatg gaaaacgggt atccccatct 120
 aaaggcaacc catcctgaag ctttaatttg gcatcacaaa ttatgtccca tttcatcacc 180
 attttgacta aataaaaacta ttggcaaaca tgctacatcc acatgagggt ctgcctccac 240
 ctcagtttct gtctttgtaa acctcttcaa cccatgttct ggccagctct ggatcctcta 300
 gtggaatcag aatcagttca tgttctgcaa ataaatcact gccttataat ttcaacttat 360
 gtagttccat gtacacccat taactgaatc atataccata tgctacattt 410

<210> 10119
 <211> 360
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220112f08d1
 <400> 10119

tttctagcga ttaccatat ttgactttt tatgccacag cactggagga gaattgggga 60
 aaaccccttg gctatctgaa tgcggatgga cagaatcttt tggtatatgg gaaacaacaa 120

<213> Glycine max

<223> Clone ID: jC-gmf102220112f11a1

<400> 10122

gtagccaatg aggttgaact ccatacgtag ggcgaaagta aacctgatca taacagaaca 60
 gcctccattg ccggagaaaa accccagaga cggtagctca acccaaaaga acatagtgcg 120
 cacaaaaagg aagatccagg aacaaaggac ttgcgacccc gacggaggaa gtgcaaacca 180
 ctggagagac gcaacccaaa atgcagatgg aagccccctc ggagaaaatc gcactgtcca 240
 aagagg 246

<210> 10123

<211> 553

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220112f11d1

<400> 10123

cttcacttg cacatatatt tgatattgtc attgaggaga cattcatatg gcatgggtgct 60
 tcaataggtt tctggcgtgg ggatgtcaaa ttgttaattg aagatgttgg cgaactaaaa 120
 ccaactatit tctgtgctgt tccccgtgtg cttgatagag tgtactcagg tttgacgcac 180
 aagatttctt ctgggggctt cttgaagaag acattattca actttgctta ttcataaag 240
 cttaataaca tgaagaaagg gcttagacat ggagaagcat ctccacttct tgataaaatt 300
 gtgtttgaca aggtaaagca aggtttaggg ggtagagtac gtcttatttt gtctggagca 360
 gcacctttat ctgcacatgt ggaaggttac ttacgggtgg tgacttgtgc tcatgtccta 420
 cagggatatg gtctgactga aacctgtgcg ggaacctttg tctcattacc aaatgaaata 480
 gaaatgcttt gaacagtggg cccttctgta caaaatgtgg atgtttgctt gaatctgttc 540
 ctgaaatggg ata 553

<210> 10124

<211> 71

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220112f12a1

<400> 10124

ggggccgcca cctttaatca tgtggtgtcg aggatattac cgctattgct gaacctgtga 60
ctgctagtat a 71

<210> 10125

<211> 423

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220112f12d1

<400> 10125

gaaaccatgg ccttattgat tccatgattt tatttatcta tttgatatca taattttata 60
cataaacaaa caaacttatt ttatgtacca aaaaaaaaaat tatgtttttt ctctggagtg 120
cggaccttat tgagcacttg gcagactcac tagataagcc ccagatccag caagacgcct 180
at ttgaggcg tctgatacaa cccatttacc cagtttgtca gggttacttg acgcagacct 240
ttgaataaat ggtgcataat ggctaaacca ctccccaaca taaacctgtt gaggttctcat 300
aatctttgta tcaggaacat tcaaggactc tcgccaatgt gccaaagcacc cggccattca 360
agggatggca aatacaacag cgaaaaaccc acgttgaaac cccatggccc tataaatgag 420
ccc 423

<210> 10126

<211> 578

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220112g01d1

<400> 10126

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gctgcgccat gtcgaagtgc agcggcaccg acgagtagaa gaagttcgcc gccgcgaaga 120
agaggcacag cgcggagagc gccgtcaccg agccggtgat tccggccgcg aatctcgccg 180
tgctccgccc agcgccggaa aagatcctct cgaaaaagtt acacacaaga tcgaagtaaa 240
gaagatacaa aacagacaac actgaaaaca gcatcgccctg acacaagagg aaaattaggg 300
tctgccattg ctccattccg tagatcgcggt acatctgcggt ccagtctctg ttattattcg 360

tcgattttcc catccgcttc ttccagaacc ttctcttcac gcttcggttt gtttaattca 420
 ccgcttcagc gagtcgctga ataaaagaaa ccgcaataat aattcagtgc gaggtttatg 480
 agaaaacgtg cttctcggtt tcgctttcat tgcanaanaa aaaaaaaaaa aaagtgaatc 540
 gtttgaatgt ttgtcttgcg agtgagagaa tttgaaga 578

<210> 10127
 <211> 413
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220112g02d1

<400> 10127

ggaacagaca aaccgaagcc ggccattggg ttttttggga cacaggaaag caatataaga 60
 ttatacatat aatatttaca attttgcaat ggaaagcttt taacattaca aaggttgggt 120
 tgaaaaatca tacatgcaat ttacaaaatt tgctttgctt gcacacaaat tttaaacctt 180
 ggacctactt gccaagccag gcaacctatc attttttaca agtaaccggg cattcatttt 240
 gggctctggac aaattaaaaa gacatttcaa ttggaacaaa caaacaaaca aacttaccaa 300
 ggaaccaacc aatcacatca tgaattgcat tagtttgaac caagccaaac caccaccaac 360
 accaccacat tccgggctct ctttttttgg cttttttgca caagacgcaa acg 413

<210> 10128
 <211> 373
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220112g03d1

<400> 10128

gccttttgtt ttttggttgt tttttcttt ttgtctttaa tttaaattgt agtgaacag 60
 tgaatcttaa aattcgaaag aaagctttat ttcggtaaaa cctgaaaaca gtggctacgg 120
 gaaaagaaca ccaacagtac caaagaaaat ccagaggcat tccctcctaa atagatagca 180
 agcaaatcca acggaaaatg gaaaccttac tggacgaaaa ccaaaccatg ctagcatttt 240
 tgacaaaaga ttctttgccc ctgtgatcgg tgctgctgca ttctactctt cggaacggg 300
 gggacatgat gccttggtgg tagctgaaat tgctccacat gcatttgcat acttggttac 360

taatgttaac ctt

373

<210> 10129
<211> 415
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220112g04d1

<400> 10129

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cacccatggt cttcctatgt gtctctcaag gatgattcac cctcttgctc tctctcacga 120
tgtgtgtagg atagcggatc acgaccgtag gagacgcacc atgaggaagc ataggcactg 180
atcactcacc agagagggta gagtgcata tgccgctcga gaaattcact ttgcggaggt 240
caaaggcgag accgatttgc atgatctctc ccacactcat cacctggcgt tgacaccaag 300
agctgcttag aatttagctg cttctccaaa aatgatgaat ctgctagct cctaccactt 360
tgttatgcac tctatttaat ttcactgcga tggactcttt cgctatgata tatat 415

<210> 10130
<211> 365
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220112g05d1

<400> 10130

tggttggttag tagctgatgt acgtcgggaa atcgggtccg attggtgccc gggtcgacta 60
gcttactggt cgggtggacgt cctttttggg tgggtcaatat ttttaatttt acacagacgt 120
atcattaatg ggataataga gtacatcaca aaccttacat attttaaacg gtgatttcaa 180
acctattaca catcacattt ttactaaaa tgtaagtgat aatccaacat tgaacattac 240
accttaataa tatcctgctt aaaacatcct aagacgacgc accacctatt gcagagttaa 300
ctacttctgc atagagtagt catgaagggg tctttgattc ttgagcagtt tgccacaaaa 360
aataa 365

<210> 10131
<211> 93

<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220112g06d1

<400> 10131

atacattaaa ggaggacaat ttggtatta taattttaaa ccattaataa gacagttgca 60
tcacttcatt tgtggaaaag tagccaaagc ctt 93

<210> 10132
<211> 525
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220112g07d1

<400> 10132

attaaaatac caaatcatga ttatgcattc tcacatgggc cgccagcacc attcacaagt 60
ttcaacaaaa aaacatataa ttataataaa tgaatggagg ggcacggaaa ggatgaatca 120
agccaagtct gcgtgttttt cttttctac ccctaagcga acaccataat acccgacgta 180
ccactgcacg aactttctga gaccagcggc gagatccgtg gtgggcttgt accccaagtc 240
cctccacgcc aagctcacgt tagcatgcgt gaacggaacg tcgccgtttc gaggcatttt 300
gatcacgtgc ttcttcgcct ttaccccgag caacgtcttc aacacggaaa caagtttacc 360
caccggcacc ggcgatgtgt taccgagatt gtaaaactctc agctgcgcgg ggccgcgctt 420
tttccttacg acgccgtcgg tgctcttctc cgccgtgtcg agggcaccga ggcagccctt 480
gacgacgtcg tcgatgtaag tgaagtcacg cgcgacttct ctctc 525

<210> 10133
<211> 465
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220112g08d1

<400> 10133

tcggttgaga atgcttacct tgtagttaga gcgagataca aatgggatgc tgcagtgcc 60
tccttaccca catgagtatg tagacacatc caagccatgt gcacattctg catttttcat 120
gggcttgcaa aggaaaaagg gagtaagagg tcaagagggg cagcaatttg atatacgtgg 180

aacagttgat gaattcagac aagaaataaa tatgtacatg tactggaagc cagggatgga 240
 tatttttgtt tctcatgttc gtcgaaagca actccctgca tttgtttttc ctgatgggta 300
 caaacgcact cgaatgccaa ggcatataag ccatcaagct gaaataacca agtcatgatg 360
 ccacaaactg ctactctggg cctggattgt ctgaaagatg catcaagagg aaaaaattac 420
 tctgaaatgg tggataagaa gccagacaaa ccaataagc cggca 465

<210> 10134
 <211> 496
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220112g09d1

<400> 10134

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 taaaatatgg actgaggggtt ataccggatg gtttggtgca tttggcgatg ctgtgcctta 120
 cagaccagat gataatcctg aattagctgt ggcacgcttt taccagcgag gtggaactct 180
 acaaaattac tatatgtacc atggaggggac taattttggc cgggcttctg ggggaccttt 240
 tgttgctagt agttatgatt atgatgcacc aattgatgag gatggattta ttaaacagcc 300
 taagtggggc caccttaaag acgtgcataa ggccatataa ctttgcgaa aatcactgat 360
 agctactgac tccaacaatt acatctcttg gaccaaatat agaggctgca gtttacaaga 420
 caggagctgc ctgagctgcc ttccttgatc acattggcac atctgatgca acaaggaccc 480
 ttaatggaaa atcata 496

<210> 10135
 <211> 405
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220112g10d1

<400> 10135

gcaccaaaaa catcgcatat cattatcaaa tgtttgaaca tgaacacgaa cactatacac 60
 taacataaaa atctagccta caaaactgta acaagacgat ggcttgatc tagctgttaa 120
 gataaacaat gtatcaagcg cgatcagaat ttcacggat taaaaaaaaa gttgctcaga 180

tgacacgggc agatttcccc attggactct taagataaaa gctcctgaca ttgttgccag 240
 ttctttttca acgaagagac gaggggatta acactcagtt gaacattttg gaagatttgc 300
 ttttctcca tactaacatt cgagacagct attgtcatgc agagcacctt cttaagttga 360
 aatttaatca tggccgtgga ctgggtcacc ttgactcaa gagtt 405

<210> 10136
 <211> 526
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220112g11a1
 <400> 10136

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 taactataag aggacttgca gtgatttgaa acacaatatt atataaaatt aatcgcgttt 120
 gattggagta gcttgaactc gaagaggctg aaccttcttt aatgatatac catattgctc 180
 ctccatgttc atgtgttctg gaattaaccc atcagctagc ttccattcaa agttgtgtac 240
 aagggatgct actattaaat gcattgtcct gtgagctaata ggcaatcctg ggcatatcct 300
 tttaccagct tcaaagggtg tgagcttaaa atcgtgacct ttaaaatcaa tctcacattt 360
 caaaaatctt tcgggcataa aaattgttgg attctcccaa atgggttgat ctcgatccat 420
 gggccacaca ttgaccaaga tttgtgcatt tttaggcaca ttgaagccag atatgtttac 480
 catttcatca cacttatgga gtactaaaag tggacctggt ggatgc 526

<210> 10137
 <211> 304
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220112g11d1
 <400> 10137

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 cggcagaaat aacaactgga catgttcctt taaatgcact gcaagctatt gagggttaac 120
 cttatcatgg atacactcag gtgcgcttgc tctggctgct gaaccaccta cacaacgact 180
 gatgcgcaga ttacgcttac tggcctagag aacctatgat aacgcacatt atgtggagaa 240

actagatcat acctgctgtc tatgagaaag caattctact cgctcttaac ttatgacgtg 300
aaag 304

<210> 10138
<211> 463
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220112g12a1

<400> 10138

gacgaaaata acagtactgt ctcatcagaa acaagaaaca atgttgcattg catgcacaca 60
cagagttggtt aatcaacgcg tgtgggttaat aatagtaata ataaggacct attgttctct 120
agatctcacc cactgtctct ctacacgcgac aattttacatc ttgtgattgt taacaatgcc 180
gtccatgacg gcgaggcaat tgccgctcaa ctggaacagc ttgggggttat cttcagggaa 240
gggcatgtcg accccgggag actctttgaa agcatccttg catgcttctt tgtacgaaag 300
gacagagctg aacctgtacc aagcattcac caggttctgg ttgccaaca actccacaga 360
ttcctttatg ttatctagaa tggtatcgta ctgcgactgg cagatgccca acgcgtccat 420
ggcgttcttc gtcgtggtcg ggtcggctag catatttttg atg 463

<210> 10139
<211> 541
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220112g12d1

<400> 10139

gcaagagcaa aaacatgcag ccacacgtta acattaatat gtacaagttc tgtacaactg 60
agttttctca gctaataatt attaggcttt atggacagag gaaccaaaga aacatactgt 120
aattagatct cactactaaa agaaacttgg gagggaaact ggcaccagc tcaacctaat 180
atgggatgtt agcatgaaat ccacttttgc caactgtaga atgtgttggg ctaagtttat 240
tataaaaccc cagctaaagc agtcgatatt gtgggtgtat gccatcgggtg tcaacctgtc 300
agtaagtcag aatgctttac agagggttagt cttcatgtta gatgaacctt gctgatcaag 360
tggacttgtg gttgagggac ccacaaactt ggctctcttt gtttcggata tcctcacacg 420

ctgccccgtg gcgccagtg attggccagt ggaggaagaa gtttggaat tgaagtttct 420
gtatgaggc 429

<210> 10142
<211> 584
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220112h03d1

<400> 10142

cacaaccact cttaatttct ctcttccttg ctcatTTaca cacctctcca acctttcact 60
ttcagcttta tttgaatccc tctctctcct ttccaaatgg ccagcggtga ggttgacacat 120
caaacaccaa caacagttcc agaaaatgaa acaaccgagg taatcaagac ccaggaaaca 180
accccgaac cagtaccagc cactgaggct cctgcaacag aacaagcagc agctgagggt 240
cctgctcaag aagaacaaca agcaactgag gttcctgccc cagaatcaac caccgaagca 300
ccaaaggaag aaaccaccga agcaccaaca acagaaacag tagaaacaac aactacagaa 360
gaagccaagc cagaggagcc taaagaagtt gcagttgaga ccgaggaggt ggtgacaaag 420
gagacagagg aagagaagcc agcagcagaa gagaaatcag aggagaaaac tgaagaagtg 480
aaagaagaag cagaagagcc taaagaaact actgaaacag aaacagaatc agcaccagca 540
gcaaccacag aggaagagaa caaaccagct gagacagtgg aagc 584

<210> 10143
<211> 588
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220112h04d1

<400> 10143

tggtcaggag tggaatccaa ccactgacaa atatatatagct gtcaaatatg atgtttcaac 60
agtattggaa gcaaaggctc ttctgaaaga agccctccaa gcagaagttg gattgccagt 120
cgacagaaat attcctctca ttggtttcat tggtaggctt gaagagcaaa aaggttctga 180
tattcttgca gaagccattc cccaatttat caagcagaat gttcagttgg tagccctagg 240
aacaggaaaa aaacaaatgg aaaagcagct tgaggaactt gaaatatcat accctgataa 300

ggccagagga gtggcaaaat tcaatgttcc cctagccac atgataatag ctggagctga 360
 ttttatattg gttcctagca gatttgagcc ttgtgggtctc attcagttac aagctatgcg 420
 ctatggatct gtaccaattg ttgcctcaac aggtggatta gttgacactg tcaaagaagg 480
 cttcactgga tttcagatgg gtgccttcaa tgttgaatgt gatgctgtgg atccggctga 540
 tgtggatgct atatcaaaga ctgtcaaaag ggcccttgca gtctatgg 588

<210> 10144
 <211> 463
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220112h05d1

<400> 10144

ctgaattaaa ttacattgcc ctgaatattg ggtagacaa cattccccctt tgaataaggg 60
 taagggttaag gcaccagatg agagatgggtg catatttcac aaggggaaaa aaatgggtttg 120
 aaactgtaca catttaaaaa aaatgaaaaa aggggtgaaaa ggggtcaaga ctccactatc 180
 ataggggaaag gaacagcctt tgatgaatac aacagtttcc ggaagctctt gttcagatga 240
 tgaacccttg agttgaaaaa agaaaaattc cttattgaag gatttaagaa gcatcactga 300
 gtgagactaa acagatgcta aagattgttc actttgtact caatctatgt gtcgtgggtga 360
 aaatgggggt cgtaggatc atctgtccaa tgcattctatt cacattctgt atcttaccct 420
 aagcttggct taggcgtctg ggaaattcca tacgttcgta cca 463

<210> 10145
 <211> 498
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220112h06d1

<400> 10145

tgcttagtat ctgatcgagt cggtagccgt tcgggggtatc gacaggggtca gtaatgctac 60
 tacgcgggtg tcgtcctttt ttgggtaata atttttcttt ttttagctat tttctaggaa 120
 ataatacaaa ctgaattgaa aatttaaaaag gaatatcaaa attatatata tcaagtctgg 180
 ctgccactat aagcctcaga aacagtatca ttaaccaact cttgatgtta gccgtcactc 240

ggatgctact cgaagtttat catacatata ttcctacgaa acataatagt aatcatggta 300
 tcagctgata ttaagcggct tcatactgta agaaatttat attattccca agacttgagg 360
 caatcttctt gagctatact tataatattg atgaatacac tcaaattacc atcttcttga 420
 tttaaatgc tatgttaacc aaatTTTTTT tatocaaaac acttttagtt ataggtttgc 480
 cccaaggaat ccaaaatc 498

<210> 10146
 <211> 580
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220112h07d1

<400> 10146
 agcaataaat ttcatttcat ttcatacagaa taatgggtac attacaaagc tttcttatat 60
 cacaaccaat atacgcgcac taaaatacaa agaaagaggg ccacaagagg tttattttaa 120
 ctcaaacaac ctatgccccg tctgattcaa acacaggctt cgtccaacgt acgagctcgg 180
 acccatggaa taattcggtta tatgcacaat gtgtacataa cacaacaaaa acaaattaac 240
 agtgtaagaa acaaaataac aaacatgtac tacgtattag tgaggcatgc atgaatgttg 300
 tgaaccactg aaaatttaat taaattaaat gccagcaagg cactctggtg gggtcactgg 360
 gaaccttgac ttatccttac aatagtcata gataacatgg ttcagacgaa cccacctgta 420
 ccttcttgct tcaatggagt taagggcttg gtatgctgcc ccttccacca gttacttggg 480
 ttggaggcac agtttgcagg tctgggcact gcacatcctt caatgttgaa gtccttgtag 540
 taagcgtaga atggtgcttt gctccatcta tttctccaat 580

<210> 10147
 <211> 514
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220112h08d1

<400> 10147
 ttctgagcga acaatttatt tccggtatgg aatatgccgc caacaacttt gccagaggcc 60
 acttcaccgt tggcaaagag atcgtatatc tgtgcttggg tcgctgccga aagctcgcaa 120

acaactgcac tggtccttca gggcttttct cgtcttcaac gctgtcggcg gtggcaccgg 180
 ttccgggtctc ggatctctct tgtcagagcg cctctccgtc gattacggca aaaagtgcaa 240
 atgaggggttc accattttacc cttcccttca ggtttcaacc gcgggctgtg agccctacaa 300
 cagcgtcttc tccacccact cccttctgga acacaccgac gcggctgttc tctaggacaa 360
 cgaagccatc tacgacatct gtaggagatc tctcgacatc gagaggccca cctacaccaa 420
 cctcaacagg ctcatTTccc agatcatttc gtcgctcacc acttccttga ggTTtgatgg 480
 cgctatcaat gtggatatca ctgagTTtca gacc 514

<210> 10148
 <211> 321
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220112h09d1
 <400> 10148

gctcgagcta gttcctaata cttactTTTT atTTttcagc aaagacagaa aattggcgcc 60
 atTTccttgc caatctgaat gcaaattggag agaaactTTT ggtatgtggg aaacactacc 120
 gtacagtctt cattgcgtgt ttatgccgga cattagactc cgaagcgcg accaatgttg 180
 catgTTTTTT ttcaaactcg gcgcacttcg acatggattt ggagtgtacc cgtgctgtgc 240
 ggaaaagatt tgtattgctg atgctgaact tcgTTacggg acacatgggtg cgTTtgattt 300
 tactcctgga aaacaggggg g 321

<210> 10149
 <211> 405
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220112h10d1
 <400> 10149

tttcgagctc cggTTTgttc agtctTTTTT ggtTTTTTgt tacgcgcaca catgtatagc 60
 tccgtgccgg gaaagacaac catccacga ctagctgggtg atagggaaga cactgatat 120
 catggggcca acaatgggtg cagaagctcg aactagttag tctcagagcc accggccac 180
 ggggacatgc ctgagtgaca cctgctgtgg ctctgattgc cgaaccgaac ctcttactgg 240

acgacactgg ggtggcttac gaagaagatg cttctgctct caaacattga taaattgtac 300
 aaaagtgaat aaccgggtgct ttgattcaag aggaaagaat ctatgcatct gtctacacag 360
 ggaagccaat aaccgctttg tgtgtggcac taatggctac ccatt 405

<210> 10150
 <211> 516
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220112h11a1
 <400> 10150

agtgtcgggtt tattgcagcg gaatcatcac atgtaatctc gcaaccaca accacaaaca 60
 atcccattcc tccttttttt tttgtatcca taaccgacaa cataaattgg aaaagcaaaa 120
 gcaatctaga gtttttcttt taataaagct gtagtaacat atagatatat atgctcctct 180
 cactattctt ctccagtaat gtatttcact acaccggtaa aaaaaagaat actaatactg 240
 taataatcct gaaccctaac agaaacgtgc gtagtcacga gtgttattac ccattggagg 300
 aatctcgaaa tgccagagcc ttccaacacc tttgaccaag tgcttcctac acagaaactc 360
 cttcgcgtaa accttctcca ccttcgcatc cacatcgtgc aagaacacgt gcgtcacacc 420
 ggatcccttc ctgtccctag ccataccggt cgncgagaat attgccgtca tgcgccccgg 480
 cgccttcgaa agtaccctt cggcgcgtcg atcatg 516

<210> 10151
 <211> 510
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220112h11d1
 <400> 10151

ggataatatc ataatttaag aaattctcaa ataaggcgaa tgttcacttc aggtgaaccc 60
 caaatcattg cactcaaata aataggtggt ttgcttgtca tcagggaata tagcacgaaa 120
 cgtccaaatt tcacaagaaa atgtcatata gagaagaaag aagaggtaca agaggggaaa 180
 aaaatcaacc aggcaaaaga atataaatga gcaaactc aatttcagc cactgcttca 240

atcaagatct tttagcatcc tgtcataagt cagtggtaag gtatgtaccg gtagtataca 300
acaatgctac tttagtact atgatgcata tatccagctc taccctgaaa gcatgagtga 360
cagaatataa aagtgaaaaa ggcattatcg tttaacgaaa ttcctcacca actcagtcgg 420
tgacagttca aaagaacatt ttcctgaaaa ggcaacttca gtacaaaatc acatcattga 480
gatgccccctg tgacagtaac tgctgattcg 510

<210> 10152
<211> 565
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220112h12a1

<400> 10152
aactaattct ttctactgaa atgattataa ttaatgaata aatcaatgaa ccataggata 60
caaaatacgt gtaagatgat tagtggtaac ttacatataa ccttaacatt taaaattgct 120
caaacctcag aatcaacagt tacaactcaa aaacatagat gacttactca cagcacactg 180
gctggtgttc tttctgtaat ttctccaaa ggcatagcac catcctcgga ctttgataat 240
gggcaattac ataatttgat tcacatccag cgttgtaaaa cctctcatca ttttcataat 300
gtacttcttt accatcattc ttgaactggt caatccatat gcccatggca acatcttcta 360
atttaaagag cttgagtttt ctttcttggt gggcatggac aataaatttt gctatgtctc 420
gtgagataac atagccagga ccatgtgccc atgggtgggtg tgtatcatgg ggccattcct 480
cctcactgat gtaccacttg ctgccttcgt ccctctgagg agatgattta gaagatatga 540
gaccgtacaa gaggcctttc gatgg 565

<210> 10153
<211> 581
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220112h12d1

<400> 10153
tgcccatcag tgctgaggt actcttcac aggagaggtg gagaaaatgg ctggtgtggg 60
ggcgaggt gggggggttc ccattgcaaa ggaaattcag tctcccctgg tgccctgcca 120

gctccctgca ccccagggag cagactgact ctgggaaagc gggcagggtta tggcggtga 180
 tttatcgag gccagctgc cttccgcac ctctcgagct ccctgtgacc tggcttccca 240
 gcaacccta tccccaaat aacctctgga ggggcttaat gaggggaggc tggatacctc 300
 catcttcccc actgccctct cttttctccc atgtccacct cttgggagtg gaatttatgt 360
 tgtctcccca gagactgtgc tgaaagtcaa gatgtctgag ccaaagactc cttagagatc 420
 tgctagtcca gaaagacaaa tcagcagccc tttgctggtg nttttggtct gcttctcagt 480
 ctgcacagtt aaaaaaaaaa aaaaaaaga attagttgcc aacatttaaa cagaaatagg 540
 ttgcacataa aaatctgatt tctgatttct cttaaaaatc c 581

<210> 10154
 <211> 352
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220113a01a1
 <400> 10154

attcatttgt ctgcagcaaa tttttcttcc attaattatt atgtatatag gactcagctc 60
 tggagagatc ttattatgaa cagtccattt aatttatgta cagaaaataa agaaatggga 120
 tatgttgctt catttttata ctgtgggagg acatgccacc cccggccgaa cgatttagag 180
 aacgaagcct actttttatc aatcccaata ttctttgcca aggctcccc gagcaagctt 240
 ttttaataaa gtttaggttt ttttgtataa actttttaca cttaactttg aaatctaggt 300
 gtgtaaacia cattgctctt ttagtttaca aatcgtgtat gtgttttttt ca 352

<210> 10155
 <211> 434
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220113a03a1
 <400> 10155

gtgaagcagc agaggaggga tcggcattaa aaatgcagat cttcgtgaaa accctaacgg 60
 ggaagaccat aaccctcgag gtcgaaagca gcgacaccat tgacaatgtg aaggctaaga 120
 ttcaagacaa ggaaggcatc cctccggatc agcagcgttt gattttcgcc ggaaagcaac 180

ttgaagatgg aaggaccttg gccgattaca acatccagaa ggaatcaacc cttcaccttg 240
 tcctcaggct tgggtggggc atcatagagc cttccctcat ggctttggct cgcaaataca 300
 accaggacaa gatgatttgc cgcaaatgct atggctcgtc tgcaccctag ggctgtgaac 360
 tgccgtaaga agaagtgcgg tcatagtaac cagttgaggc ctaagaagaa gatcaagtaa 420
 actctgggtg ggat 434

<210> 10156
 <211> 387
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220113a03d1

<400> 10156

aaaaccata aaaaatcccg gaaaagggg ccaaaaatta ccggttttaa aaccccaccg 60
 gctaaagggg aaaccagacc aaaagggcaa aaaacccaat aatggggcaa accccaaagg 120
 ggcccaaaaa aaaataaagg gccaggcaaa aactttgggc caaaaacaat taaccttaaa 180
 aaaaaccga aacgataaat cccaacaag gccccggttt aaaacaaaca aaacgaaagt 240
 ggagccccac aatttcccc cccaaattta ccgggacttt tttttaggcc ccaaaggggt 300
 accatgacct cctttttttt tacgggggtt cacaccccca gggggccaac cagcctaaca 360
 tttgggggaa aaaaatttgg cccgggg 387

<210> 10157
 <211> 501
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220113a04a1

<400> 10157

tggacacaga cacatggatt ggggtgtcaga gttcatagct ggtggttcat acgggacccc 60
 tccttacaat gaaaatttcc ataaatatct tgtttcaaag attcctatca aaccacttga 120
 tttagataca acaactgcat tattgcttga ctatttccca gaagaaggtc aatggaaact 180
 ttttgaacaa ccacaaaaca tggaaattgc ttcttctcat actgaaacta gtgaagaggc 240
 tgggccaag gtgaaggctc cctcatctgc aaaatcttct aatgcagagc aatatattga 300

accactatat gtaatatgg atactgaaaa gcaacaagaa cctgtcaaag agttcattac 360
 aacagacaca gaaaacagaa tgactgacat aagtgatgac aggtcagatg aattgatgca 420
 atttgtgaaa cacagagtgt tacatttttt gagatggaag ttgggtcccag ctgaatgctg 480
 ctgaaatgat agaaatgaag t 501

<210> 10158
 <211> 544
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220113a04d1

<400> 10158

caatataaat atatatgcct ctgaaaaggg taaatttaag agagaaaaga ggagcaaaac 60
 aaaactgata cctacatgat cctatatacct agctcttcta catcataatg atcatattct 120
 gttttgctaa atagtgatac aacaagcaaa acttacagta accctactgt ccacttcgat 180
 cgacggagaa agtacaaaaa taaaatacaa aaatctcttt acaaacttgt aactttctac 240
 tttcaaaatc aaccttgtac accgtaccta tagtctataa atctaaaatt cacatcataa 300
 ctgatgcctg cctctagggt ccaaagaga aatttacaag atactcagaa ttgaagcctt 360
 taatgttcct aagtttcacc tttcgtttat gccctcgcgt tactgtcttc tcattcttta 420
 ctccccaatt aacagtacaa gagatacttg tacagtgtat taatagaatc aaaatgcccc 480
 actggctaac tctagctttg gcatattaac acaacggcat tgtcaaattc ataactgtaa 540
 tgat 544

<210> 10159
 <211> 234
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220113a05a1

<400> 10159

ggcaaggaaa ccaaactcaa aaaatttcca aaactgttgt agaattaggg acaacatggc 60
 tggaggatca cttggagaca acattggatt gaaggaagat gctatcaaga ggggtgtgtg 120
 tttggcctgc aaagctaaca atcacaagtc aacggataag ctctactttt acgacaaggt 180

002220113a04d1

tcagatttct tcggaaactt accatgtttt cagcttcccg ggatcttggg atcc 234

<210> 10160
 <211> 531
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220113a05d1
 <400> 10160

ctgaccctac tattaacaa atttatttag tccagcagtc tgaatgattt ttggttctca 60
 caagtaatac aaaacttggg aatcaaaaac attaggaata caaatacaaa gttacaacac 120
 tgaagtaacc aacactacac ctgcatgaca aatacacatc aaaagcatca tcagaagctt 180
 atagcttcct cattgagtgg aaaaagact aatacagaat atcctttcac agcagtaact 240
 agactagcta ggaagaagtg tccttgagtt cctgaggtag aatatccttc cacctaataa 300
 agttaggata cttcaagaac gtatccttgg ctagtacttt ctcatcatca gtccaatttt 360
 taaggctttt ttgaagctgc ttaacccttt gctcgacatg atcatcaaga ggcttcttgc 420
 tgттаатсса gctataaagt tcctccactt cagcccaaaa ggttgattca gtgataggag 480
 cagggtggcat ccttttagca tgttccaacc atccttgagt gtacctatac c 531

<210> 10161
 <211> 532
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220113a06d1
 <400> 10161

aactcaaatg taaacaagca ttgtaattcc acttatagaa cgtagatttg accaaaaata 60
 atccgaatct cagataattc acccattacc aatttttcca gcaaagaatc ccagcatcaa 120
 ctctcaccca cgacgatttt tccaggtaca attcaaattg ttatacaaaa cgtagagacc 180
 agacaaaatc aacaaaaatt aagcagagcc tgtgttctct ggtttgctag tctccattgg 240
 ttcagcagat gctggtggtg gggctggatt agcattgtcc cctgcctttt cattagtact 300
 ggcattagga ttctcctcag gtggttggtg atgctgctgc tgtggctgct caccaccctg 360

aggaggtggg gttgctggtg cttctggtgt agctggcttg ggtggtggtg gctttggttt 420
catcataatt ggcttacaga acctgtcaac agcttcagct ttctttctta tgtcagctga 480
caaaagtacc gngtgacat atttcggaag agagtcctgt tgctgctttt tc 532

<210> 10162
<211> 550
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220113a07d1

<400> 10162

caatcaagaa actcattaga gatctcttgc tatacaaagt aaagaaataa ttggtctatg 60
gccgctaaag atattaacta gacaagagca taccatagt taggacatgc atgtgataat 120
ttacagagaa atatatgatt tgataaattt ccttgctttt caaattttgt gcattgatat 180
aatcatgaac cagcatgtaa caatgagaac ttagcccata aacatatctt acccttatcc 240
aagaccaagc ttgccccagt gaccaaccaa tggccaggac tatcttgtgg acctttacac 300
aactgtgacg tttctacaaa tttcaacagc ttttgtgttt gcacaggcac tggaggtcct 360
gttggaacaa cacttgaatc caaaaccaca actggttttt tctggttctg gtctttacca 420
gaaattgatg tgcttattac tgagaaaatg ccagacctt gggataacct ggaggagccc 480
tgtgtccaac ttgatttaca actgcacaat tagacacctt agagaacaac agcctcaatg 540
aaggacactc 550

<210> 10163
<211> 318
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220113a08d1

<400> 10163

tcgtccttta ttctacttct taatctcaat ctattcgagt atatattatt ttatgtactt 60
ggcacttatc acagttcaca tgcataatc atgccatcat atctttaggg aacattctcc 120
aatccatact gatctcccat attttactgc aagatgatta acttaaagac acacagatat 180
atctcagcta aaagcatatc tatatactaa gacaagtcta atgaaaatgc ttacaatctg 240

gctgctttat gctttaggca aatagatggg ggtgtttctt tccatgagct ttctcatctc 300
gcaactttgc ttactttt 318

<210> 10164
<211> 493
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220113a10d1

<400> 10164

aacacaatgc atttgtatta tagaaaacac agtatggtac aaagtcacta aaacaaatga 60
ttaaccgacc atgctggcaa tcatacccat atatttttca aaagtgccta actaatgtct 120
atctcaattc aacatgagtt cattccccac attaggccga aggcaaacac aaacttcatg 180
ctcttctgct cctggaagaa gttttggcac cattatctca agcacagatc ctggcccatc 240
gtagtacgct tctatattgg catcttcagg aattcgagtt gaaagtggga ttccacgaac 300
aaactcacca ggagggcagt gctctgacga tggctctgaa agcttgaatg tcctatcggt 360
tcttttaata aatggcttgc aagatatgct cacacaagaa acctttatga taccatgagt 420
aacaatgttc tccatgaaa ctttcacact aggaagaacc acgaatggca gactgataat 480
gatcaagaaa cct 493

<210> 10165
<211> 440
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220113a11d1

<400> 10165

gcaatcagaa tcaacaaaga gccgagtcca tcagcaagta tataataatc caaaaactcc 60
atcccctaca cagaagagac aacaaaaaaaa agcttaatgc tcctaacagg gtaacaacac 120
cggttcccga aaccgattta ttcatacttc tcatttctgc ccgagcaaga agacactaaa 180
tcgcagctag acaccagcac ataatgtcta gacaagctac ttttttttca gtacaacctt 240
aaaaagactt cttggcaacg aatacaagca ggtcaatgac acgtgagctg gatccccact 300
cgggtggcata ccaagagaca agcttcacaa agttgttatt caatgcaatt ccagcctttg 360

catcaaaaat acttgatctg ctatcgccca caaagtcggc ggagaccaca tcattcttcag 420
tgtaaccaag aatttccttt 440

<210> 10166
<211> 449
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220113a12d1

<400> 10166

aagtgtaacg tagtgtttta ttaatagtga acacagaaaa aactagcctc atcaaccact 60
caaaggaatt cacaattcta cataatctgc gtacgcaata actacatgtt atttggaata 120
ggatgatcaa aacagtgcc tctagtcag catgatacag ctcttataaa ccataaatgc 180
caatgaaggg catcaacact gatgcaatcc aaagcttccc atttttcttt tccacttcac 240
tgatgaactt caagggcttc ccatcacaat cttccaagac ttgtaatatc tgttctttat 300
cactgagctt tacagcagca tcatgaggct tccaccctgc aaatgatgtg tgcagctgct 360
tgaaattaaa tccaatttta gggaatgcct ttcccaccca aggattggaa gaaaccact 420
ttgtgaaagg gcttctcttt ggatgcaga 449

<210> 10167
<211> 449
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220113b01a1

<400> 10167

acttctggta atgaacgtgt tgatctagaa gaatttgta atggtgtcag tagatggctt 60
caaagggccc agcgtgctcg agttgcatct ggtgatgctg gtccacacac aatgaagttt 120
ttaagtgatt ttcacacgga aacaaagagg gaacatgac tgctggatgt gggaggtcag 180
gttaatgaag aggctgaggg cattgagaat gctaaatgga tttccatcaa agcagttctg 240
cttctgctat tgggtactat tattgctgct gcgtttgctg atcctctggg tgatgcagt 300
gataactttt ctgaggctac aagtattcct gctttcttca tttccttcat ttttctgcc 360
ttagcaacca attcaagtga agcagtgta gctataattt ttgcttagtc gtgataagag 420

449

aaacaaaggc	tttttattga	tgataataga	ttatacagagt	atttacatac	tccaaacaca	60
cgagatatta	ataccaaatt	acgcaaatta	ttgggtgctga	taatatggta	aactttgtaa	120
tgcaccccg	atcaacaaac	aagttaacat	aaaatcacaa	tgtccaatta	ctttttgttg	180
taatgatggg	gcaccacact	tttcttgaac	atttacttcc	agtcaagcat	gtccaacagc	240
cacaagactt	cttccttaga	atttgctaca	tcacagaaat	ccatttggat	cccaaataca	300
tccatgagat	cttcatttct	atcttccatg	aatagcaaag	agatccatgc	acggatgcca	360
gacaaaaatg	ggtagccagg	ggatatgtct	aggtaatcaa	aagccaaggc	tctatatgat	420
gaacgatcga	tgtaatcaaa	catggacttg	tttattacac	gagcaacctt	atttgaatcc	480
ttccttccaa	ccatcacaga	gacactaaca	ttctggtttt			520

<210> 10170
 <211> 406
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220113b04d1

<400> 10170

tttttaaata ttattttccc tcttttttga acaccaaac acattgggtt aaactaggat 60
 taagaccatt tataaatcga ctggtttatt catgcctgtc ggcaaataaa tatataatgt 120
 aaaaaaaaaa aaccacaaat aaagatctaa aaaattgaca ctattatata catctcaata 180
 tcaatcatta catatcacc tgatcggtat gatccaccgg agttgttgta cggccctctc 240
 gtcgagattg ccggtgggga ctgccgcaa atttcaacct tccggactcc ttaaaccttt 300
 gattctcgga ggggtacaatg acccactcgg gttgctggca cagggtacct taaaggatca 360
 ttcctatatt aataggccat gtaacgctga cggaaccgtc gcatgg 406

<210> 10171
 <211> 380
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220113b05a1

<400> 10171

ctctgctcgt gcctctaggg ttatcatatc tccatttcca tttcctctct ctcaagtttct 60
 aagaatctta agctatggga aagtcttacc caaccgtgag cgctgattac cagaaggccg 120
 ttgagaaggc gaagaagaag ctcaagaggt tcatcgctga gaagagatgc gtcctcttaa 180
 tgctccgttt ggcattggcac tctgctggaa cttacgacgt gagctcgaag accggtgggc 240
 ccttcggaac cataaagcac ccctccgaac tcgctcacgg cgctaacaac ggtcttgaca 300
 tcgctgttag gcttttggag ccaactcaaag cggagtttcc tattttgagc tacgccgatt 360
 tctaccagtt ggctggcggt 380

<210> 10172
 <211> 553
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220113b05d1

<400> 10172

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aatagacata ttactagtta ttacggtaaa tggtcacata ctacaaaggg taataatatc   60
gcaatcgctg aacaatgtta tttaacaaaa ggatcgacca caaataaaaa caacccaact  120
ccaatcatca tcaccacgtc cagcaaaata cattcaaaag ctatctaaaa atttgaggaa  180
cccacagtgg cgcattagaa accatgacca tagaatttat gagagaaata ttatgggcac  240
cgtgcctctc caacaatccc caaaacgttg cttaggcttc agcaaacca agctcagaaa  300
gcttttggtg agcctcagcg taatcagcga agaaagcatc ttcgtccgat gcatatttct  360
caacaagagg gcggaacaca gggtcagaca aaagtgcctt gtcagaaggt agctgaagga  420
ggccttcttt ctcaccactc aacaactcct tgaagtatga gttgtcgaaa ataagaggat  480
tagaggtcca gggaccctcg aatccagaac gtccttgtg cgcagcttcc atagtgtgac  540
ccccagacag agc                                                         553

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<210> 10173

<211> 564

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220113b06d1

<400> 10173

```

ggggagataa atataattca tgattcagag aaaatagtca aaatacagtg aatcatactt   60
gtacaaacga aaacacaatt taatatttgc ctctcatcaa taaacaactg aaacagataa  120
atagcttgac tcaatcaaaa gtacttactg cccaaattat atatataata aagaagtaca  180
ataaggcaga ggcataggca caacaccccc ttgaagctaa cactaacaaa caccattcat  240
cttgtcattg ttcttcttcc tcttcaacac aaacttcttc caaatggcag tgatttcctt  300
ctgagtctcc ataggattct tcttagcaac cactaccttg ccattttctt ctgcactgag  360
tgtcacagtg gtgctgctga tgacccttgc aggaagtga tcaagctcat gcagcacctt  420
cttcacatcg gacacgagac gcttcgcgag ggtccttgag aagtcctccc tgatgacaac  480
acgaagcact gtgacatggt gagcatcctg gggcatgggt tatgctggca ctattcacc  540
aaagcgctt aaaaagtctg agat                                                         564

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<210> 10174
 <211> 592
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220113b07d1

<400> 10174

ggtacaaact ttacaccttt gctgattatt tcatagcaaa tgttacacag aatagagtat 60
 gtgattcaat gtatggctcg gtgagccaag aaggaggcaa taaataggcc aatgttagta 120
 tcagcaaaaa tgcacaaaat ataacattcg ggtcagcaga tccttcgaaa gtgggagtaa 180
 ataatttata aaccacaaga aatgaaaagg aattcctcag aaaattacat caagtgcac 240
 ctcttctcat ttctatggca ccattgttga acatctaagc cttcccaaat ttctattaac 300
 cttatgcacg ttttccttga gccaaagctta cacgcatagc ccgtccttct agttccacat 360
 cattcaaggc tgcaacagca gttcccatct ctgcttgtgt tgaatagcaa acgaaacat 420
 agccacgtga tcttccagtt tctccatcat acaagaccct tgctccaacc actgttccat 480
 attcttgaaa ggcttgtgtc aatatctcat tagttactga ccatgacagg tttccaacaa 540
 aaagcttggt tcagtttcag ggtacaaggg ttcttttggt cttggtttgc ta 592

<210> 10175
 <211> 482
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220113b08d1

<400> 10175

cggtcgcgcg tcattgatcc atcgtcagct acgtcagga agcattacgg aatttatcga 60
 cggtcactac tagctcactc gtcgttgcc gccctttttt ttttattttt aaaaaatttt 120
 tacgacagta tctattaccg ggaaaatgct tatacatcga aggaaaatgc ctatgaacag 180
 catggcatat aactccccga aggctcatta tcagtggaga aacagtgatg gaacacctat 240
 aaccatatac agattcgaaa atacgttgt accagcttgc ccgactccag cctagacttg 300
 accgctacgt gtgtaatcaa aagccagcca gccttatatt gggccacacg gaatggacca 360
 ctgaaatctg tcaaatggga ttccactgcg cttgccaac ctttgtccga ataccgtgt 420

ttcccatgac cagcattcag gtccaagcag cggtggaaga ttctcacctg gatccaaaga 480
ct 482

<210> 10176
<211> 424
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220113b09d1

<400> 10176

acaaaagact acataattaa aaatataaca actottggac acttttttagt ttgggaaaca 60
aacaagaaat gattaccaag tgagatcaga caataagatt cttccaaaca agaataggcc 120
taaacagatc caaaataagg ggggcctcgt gtattgatct ttccaaacat acgacaaata 180
ttctatagac aagcaattac ttaaggggtt gataaatccg gagaaataat atgggaaatt 240
ctccatatct ctctctctct ctaattttcg aaataagctg ttccaatcat ccaaaccaaa 300
tactaagggtt tgggttcctg aggaatttcc atagctgctt ggagaattat cttaaattgca 360
ctttgcatgg acaacttcaa tttatggctg gctatgaagg ctttttccgt tttgagggga 420
acac 424

<210> 10177
<211> 509
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220113b10d1

<400> 10177

atgtaataat ggtacaagat gaattctcat ttacagtac tctcaggatt ttaataaata 60
caaggattat ttccagaacc ttgtttaaac gataatacag tctgttagta gaaaaaggaa 120
cttattatct tcaatcagta agagttatgt tgatctattc cggttcatat tctgttgatc 180
agatcttcag caactacaag aattatgcac atgcaatgaa agaataatga gtccaatttt 240
cagtttttca attcctttca cctgcacca acagttgcat cactatctca caagttccca 300
gtctctttt gacatgtcat aaatttcaac acaaccatcc tcaaacaatga tcgagtgttt 360
tcgggaatat ttatcaaatac gtttaataat tccaaacctc tcatttcaag ttggtttatc 420

ctaataactt taccaatgca attgtgtaag cactttgggtt ggtcaaacac acgagaactt 480
ccaatttgca aaccttcatt ctgataaac 509

<210> 10178
<211> 414
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220113b11d1

<400> 10178

gtattattga gcgagagaga aaggtaaaaa aaaaaaaaag attggaagag tatgagcgat 60
ttcggggaag ggaatgagct ttataaatg tctggtgctg ttgaggaatc gatccactct 120
ccttccttgc cttccttcct tcccccttca acgatgttga ttgcagcggt tctaaaactc 180
gccattacca ttagacaaga ctgcagtgtg ctgtttcggg ttgcggtaac acgcgacttc 240
cgattggtga gaatagacta ggggtttcatt ataagtgagg aacataacaa aacataacac 300
acaatgcccc gcttaaacaa aagattttga ttttaggtta ttggtactta ctgcacaatg 360
cccaaaggca gttgatagca atagagggaa tgtccacggt aagcttgcgg aggt 414

<210> 10179
<211> 459
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220113b12d1

<400> 10179

ggaaaatagt tgctatgtat taatgctttg aagtacaacg tgattcatgt ttaggcgata 60
atgtcttaca aagcaattac ttgcagcat gcattgttgg gggcgtggcg caatcaccat 120
tgctccttt ctcaagtataa taatgagtca accgttcttt atcttgctct cctcgaaaag 180
tacgaccacc atcggaagct gatcctttcc aagcgggagt gaataacaca aaccatcacg 240
atggccatag aattcaaatt aaactaaaat cccaattat ttacacaatt acactttgtg 300
aggcttcact tgactccgta accccgaacc caacttgctg acccataata aacccaaacc 360
cgaatgggtc acctgagccc ggtaacaatc gggtatctgg attcggttga aaatgccccg 420
gcccgtcgac ccgtcgggtt ctacaccac ttgtaacct 459

<210> 10180
 <211> 467
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220113c01a1

<400> 10180

cgagtaccaa aatttgactt tttattccac agcactggag gagaattggg gaaaaccccc 60
 tggcaatctg aatgcagatg gagagaatct tttggtatat gggaaacagt atggtaatgt 120
 ctttataggg tggtcagcct acatttggct atgaagggga tccaatgagg ctgcttttct 180
 ccaaactctgc cagccctcat catggatttg cagcatatta ttcctttgtt gagaaaatct 240
 tcaaagctga tgctgtactt cattttggga cacatggttc ccttgaattc atgcctggaa 300
 aacaggtggg gatgagtgat gtctgttacc ctgacagtct gattgggaat attccaaatg 360
 tatattacta tgctgcaaac aacccttctg aggccaccat cgccaagcgc aggagttatg 420
 caaacaccat tagctatctg actcctccag cagaaaatgc tgggcta 467

<210> 10181
 <211> 506
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220113c02a1

<400> 10181

aaattatgat ttagtacttc taattgccag gcaattcaaag aaacatcggc gaacgaaagt 60
 aatatctaca ctgaaattca ttttaaggag aaatgaacaa aagagaccat ttggggtttg 120
 tctagcaaag ttgggttttg agtttaagga tttatgcca tgctaaagag ctctggcat 180
 aataactttg ctccatacgg gacatgagcc accacaatgt catccgcaga ttcacagggg 240
 cggcaataag gtctctgtat tttccggcca ccagagacag gccgcaagat cacatttgca 300
 acatttttgc atttgctgca catatgaatc tgagaggagt cactgagtgg aacaggcgt 360
 tcatacaggt tggctgatgc accatgagct attaagcaat cagctccat ctcaccgaac 420
 ttgatacctc caaatcgttt tctgtcagct acaggctgtc ggggtcaaacg gtgaactgga 480
 ccaagtgttc ggaatttcac ttttgt 506

0022150 "E" T E S S

<210> 10182
<211> 504
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220113c04a1

<400> 10182

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ctgtagagaa gacaagggaa cttgcttgct atggcaactc tgagcaattc aactaatatc 120
ttttggcaag attgtcaagt aggaaggctt gaaaggcaga agctacttaa ccaaaggga 180
tgtgttgat ggattactgg actcagcgga tcaggaaaaa gcacattggc atgttcctta 240
agcagagAAC tgcactcaaa gggaaagtta tcttatgtcc ttgatggaga taaccttcgg 300
catggactaa acaaggatct tggtttcaaa gccgaagatc gcgctgaaaa tattcgaga 360
actggagaag tggcaaaact gtttgctgat gctggcttaa tatgtgttgc tagtctgata 420
tctccttaca gaagagaccg agacacttgc cgtgccatgt tacctgatgc anattttatt 480
gaggttttca tgaacatgcc tcta 504

<210> 10183
<211> 375
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220113c04d1

<400> 10183

aaaaagcggg aaaaaccccg gaaattttgg cccacccat agaaggaatg gcccactta 60
taaaatttta tttaggaggg gggaacttta tcagccatt tacccttca cccctttggt 120
cccgggcctt cccaggaacc ctttttaaac ctcatTTAAA aaaaaccccc tttgggggaa 180
aaaaccccct tccaaagggg gttaacttta aaacccctgg ggttcaaaaa accctttatt 240
cccaaggga ggaacccctt ggccgcctt aaaagggggg ggtggacaaa cccattttc 300
cggttttatt taaaccccc cgtttagggg ggggccaaaa ggtccacaa tggcggaAAA 360
acccttggtt ttccc 375

<210> 10184
 <211> 216
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220113c05a1

<400> 10184

cttccacttg cacatatatt tgataggggc attgaggaga cattcatatg gcatgggtgt 60
 tcaatagggt tctggcgtgg ggatgtcaaa ttgttaattg aagatggttg cgaactaaaa 120
 ccaactatct tctgtgctgt tccccgtgtg cttgatagag tgtactcagg ttgacgcag 180
 aagatttctt ctgggggctt cttgaagaac acatta 216

<210> 10185
 <211> 552
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220113c05d1

<400> 10185

aaaaatagtt ttatatctca tgtctgcagt tgaacatcag ccatttctga ataattatat 60
 atgtaaaaat gattcatgga tactgtaata cacctagaga tagaaaaaga gaagaaagac 120
 aacttactta gataagtcgg gtagaataga taatatgacg tgaaaaaaaa aatcaaaata 180
 aatgacgtat ccatatataa ctactcagcg tatatacagt caccaaaagg aaacaattga 240
 acggagacaa acaccatcac atacagaaaa taaattatct cccaaatcag gtctcaggca 300
 ctgggtttac ttccactctt atacatgttg tcaatggcat tctgatagta tttaagcaac 360
 tgtggcctct tcttcttgta tggtggagtg ataagggtcac gttccatgtc aaatggaatt 420
 gagtcaaagt gaactgcttt tataaactca aaacctttca acttcttttc cttcgcaaac 480
 tttgagagct cttcaattat gtaactcttt gctcgagcat cttcacagag agaattggag 540
 tccatggata ta 552

<210> 10186
 <211> 509
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220113c06d1

<400> 10186

atagagtatt cagacacact tgagcattaa ttatgtaa at cacttttgc gccatgtctt 60
 gcgaggtaaa acaaagtaca aattcgagaa tagaggcaag tacaacttag caaagcctat 120
 tgataaaaag aactacgact gtataagcaa aactgttata ggaacccaaa ttcaagaggg 180
 aaagtcaatc acacaatttg gtagctatcc gttatcagct gtgttctctg agcaaatttg 240
 ggaggattac caccctttta tggtatgatg ttggtaacct tcaggtcact aaacgtgtca 300
 gttgccataa agcagactga aatgggaaag aatgttgatg aatctgctag tggaacaaca 360
 aactccattg acccactgcg gttggaatta tcaatcagaa ggacagacca ctccaaaatg 420
 gaattcctag agtcatacct ccattcccca tcaatctgcc taacagatgg tgcttcttga 480
 agagctggaa gaggtacaga gatcacaac 509

<210> 10187

<211> 507

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220113c07d1

<400> 10187

gagcttcaag gacttcttca agatgaatta tataaatctg atcttttctaa agttaaaaag 60
 cactgtggct tagcactgtc aggaaagagg attagtagaa gatacatgtt ttctttcacc 120
 gtagaaatta catgatggca actttagcta ttctcattat gtatatttac atcattgggc 180
 tgactctaag tcaactatctt cgaagtcttt cactataaca atctccgtat ttctgttttg 240
 tcgtctcact ttggcatcca cgtgatcttt tggaagcaca ttacagtcga tggatgcca 300
 tactggcttc tctcttgaa ataatgggtg cttgcatagc tgcggacatt gcaactgtaag 360
 tgcatacttg caagtggaaa tctctgcgat tgaactaatc attgctctcg gttcagagca 420
 taaaacctt accttggctc ctgctggctt atttgtaaga tcacataccg tgccattagt 480
 atattgatga gcatgatacc cttgaga 507

<210> 10188

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220113c08d1

<400> 10188

gattaatata tttaaatca gatttttttag ggtttaatgt gttaaataaa ttttttatgt 60
 ttttgaacta gtataaatac ccaaaaccaa acatgggtata acattcaaga aaagacacga 120
 ctacaaccca gtaaagatag gaaaacaaga agaagccaac caaagaataa gagacccaaa 180
 tggaagaacc aaaaaacaac cagaaaaggc aaaaacaata gaaaacatac aacatggcac 240
 caacagaaaag gcacgcaaag aaa 263

<210> 10189

<211> 457

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220113c10d1

<400> 10189

aaaaactaat gacctcaatt aagagaaaca ggccacggga accaaaccct atgtaatgta 60
 actagattat cgcgctttac acaaagacac tgtttacagg gggaaaagat aatgtttact 120
 gtgaactgaa ttatataaaa cacctaccta gtaactaaca tatagggtcac accgaacaaa 180
 gcataagatg atggggcaaa ctggtacaaa acattgaaga cccaccaaata cgctttcttct 240
 ggtgaccata ttcttagacc ggacaattcc acaggacgct gattataccg ctccctgact 300
 ctttgtggaa cccccaaata ttctgtcctt taggggttac acacctacac ggggggtacaa 360
 gtaggcccag aatagcatgc acttataatg tctcaatggc ccaaacaccc ttaggaccag 420
 ggggtggaaga catcaaacgg gcggagcgta caggga 457

<210> 10190

<211> 380

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220113c11d1

<400> 10190

acctaaaacc tttcatttca ttcaaaaaaa aaatccccgg aaaaaaactg ggggaccccc 60
 caaaagccgg tttaaccccc gaacaaaaaa aaggggcccc aagccgttta ttgcccccc 120

caaaccgggc ccccggaag ggggtgggaa aaaccccaaa ggctaacca agcccttggc 180
ccaaccccc cttttcaaaa aagccccca agcccgacc ggggtattc aacaggcaac 240
cctttcccc aaaaaaatgg caggcctcat taaacaatgg gcccgaagg ccccttttaa 300
aaaccaaggg gagggccacc cgaaccccc ctaataccct cccgcattga ggacccaca 360
cttgcccca aaggccctcc 380

<210> 10191
<211> 453
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220113c12d1
<400> 10191

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ttcaatatgg ttggagaaca cttgttctat gtcatttggc tcgattgatc agaggacacc 120
acttttttcc gtgcacgagc caatggaagg aacacgcacc aaaaacaccc ccgtttttaa 180
ataaaaaaaaa cgcggggggaa aaaaaacaaa aatctggggg gggggggggg gtttttattt 240
gtcctaaaaa aaaagggccc cccgcaaacg ggggcaaaaa aaaagccgga aggaaagggg 300
ggggccccc cttgaaaaaa aacgcacgcc gagcaaaaaa aaaagactgg gaggaaccg 360
cccaaaaaga aaaaaagggg gggaaaaaaa aaaaaaaaaa atgtttttca ctttttcggg 420
gaggacggca acaccctcgg gtgggtaaac ttt 453

<210> 10192
<211> 177
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmf102220113d01a1
<400> 10192

caaggatgtc atatggnatt tacttttttt caactcctca gcacatccgc atggtgtaat 60
aagaagatgg ctttcacaac tgcaccataa ttgcaagagg ttgtctaaat gccatacttt 120
tcttaggagt ggtcttgtga ccgctcttgt tcttttcaa agtttcaaatt tattatt 177

<210> 10193
 <211> 486
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220113d02a1

<400> 10193

attaacgcgt gcaatggatt ttactgcat caattcaaac caaactctaa cacaaaacca 60
 aaaatatgga ctgaggggta taccggatgg tttcttgcac ttggtgatgc tgtgcctcac 120
 agaccagtgg aaagatcttg catttgctgt ggcacgcttt taccagcgag gtggaacttt 180
 tcaaaattac tatatgtacc atggagggac taattttggc cgggcttctg ggggaccttt 240
 tgttgctagt agttatgatt atgatgcacc aattgatgag tatggattta ttagacagcc 300
 taagtggggc caccttaaag acgtgcataa ggccataaaa ctttgtgaag aagcactgat 360
 agctactgat ccaacaatta catctcttgg accaaatata gaggctgcag tttaacaagac 420
 aggagttgta tgtgctgcct tccttgctaa cattgccaca tctgatgcaa cagtgcactt 480
 catgga 486

<210> 10194
 <211> 510
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220113d03a1

<400> 10194

ctcgagccga tcactttttt ttactttctt ctccatccat cccttgacta attaattatc 60
 cctcacaact accaatggcc gaagagaaac accacaagca ccgcctcttc caccaccaca 120
 aggacgagga taataagcca gtagaaaccg atactgggta cgacaacaca tcatattcca 180
 agccttctga tgactatgac tctgggttca acaagccatc gtatgagtct tctggcgggtg 240
 gctatgaagg tgggttacaac aaaacatctt attctagtga tgagccagct tctgggtgggtg 300
 gctatgaagg tgggttacaag aaaacaggtt attctgggtg cattgatgag acttctgggtg 360
 gctatggcgc tgggtgggtg ggatactctg acgtcactga tgggtggctac ggcaaaccac 420
 tgggtgggta tggcgcccct ggtgggtgggt ggtgtgtacc ctgacactac cactgatgggt 480

gggtacagca aaacaagtgg tgggtgggtat

510

<210> 10195
<211> 527
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220113d03d1

<400> 10195

aatctcaaac catttgagta tatattatatt tatgtactta acacttaaca cagtacacat 60
gcatatatag agcaacacat ttcaaggaaa cattctccaa accatactga tctcccaaaa 120
taaactggaa gatgattaac ttaaagacac acatatatat ataagccaaa agcatatata 180
tatataagac aagtagaagg aatatgctca taattggttg cttatgcttc agccaaagag 240
atgggtggtgc ttctttccat gagcttcttc atcttgctcc tttgcttct ttttctcatg 300
atgttcatgg aaggcaaacc caccagatcc cactgcagct gctgctgcaa cctcctcttc 360
tatcttgtgc ctgtgagcat gctctgggtc tttctctgcc ttgcgcttct catgcaaggc 420
gtaagcagca gcagatgcag cacctaactc accaagggtgc tcaagatgct tgtggtgctt 480
ctcttccttt tatagcaacc tcattcattat cccaccacca cttgttt 527

<210> 10196
<211> 571
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220113d04a1

<400> 10196

atcttttcca atggcctcca acggcgacgc cgttcatccc cacccttcca aaaagatcaa 60
actcttcagc aattccatta actcaactaa ttctcgttt atcacccatg ccgagatcga 120
atcggaattc ttccaccacc accccacggt ggcgcgcctc aacaacggcg ccttcgggtg 180
ctgcccggct tccgtgatcg ccgtgcagcg cgagtggcag atgaagaacc tccggcaacc 240
ggaccacttc tacttcaacy acctcaagaa gggactcctt cactcccgca ccatcatcaa 300
gaacctcgtc aacgccgaac acgtggacga gatctcctc gtcgacaacg cctccaccgg 360
caccggcatc gtctccagc aagccgctg ggccttccag gaagcaaat tccagaaagg 420

002220113d03d1

cgacgtgggtc ctctgtgtcc actacgccta cggcgccgtc aagaaagcca tcgaggccta 480
 cgtgggtgcgc gccggaggca cgtttatcga agtccccctc cccctttcccg tcaccttcaa 540
 cgacgacgta gtcaacgaat tcccgaagc c 571

<210> 10197
 <211> 465
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220113d04d1
 <400> 10197

aggtcaaaac agagtatctg atgaaaaagt tagaagtgtc aacagggaat taattccaaa 60
 taatagatac acacagcatc taatgagata gaatggtttg caaatttcca attatacacc 120
 caaaatagtg taaacctatg gatatcatga gtgtttatgt gtgcttcagc agcaatgttg 180
 taaaatatca aagaagcaac caccagacca ctacagtact gatggtgcaa tattgcagaa 240
 acgagtagtg aaaatgttaa acaacaaatg tccactcaaa tacttggata tatagacaat 300
 gaaattttca acagaccggg caaaatagcg caatcagcaa agtgcaaact caacatttgc 360
 aaatagtatc ccacatataa aatggacgaa tatgtttattg aagagttaat taaaactaag 420
 agcagagcat aggctacccc aatttaagcc gaaagagagc acagt 465

<210> 10198
 <211> 575
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220113d05a1
 <400> 10198

ttcagaaatt tatccagttc cagcttacag ttaatgttgc tgctcttgta ataaatgttg 60
 tggcagcaat aacttctggt gatgttcctt taaatgcagt gcagcttttg tgggttaacc 120
 ttatcatgga tacacttggg gcgcttgca c tggctactga accaccaaca gaccgcctaa 180
 tgcacagatc accagttggc cgaagagaac ctcttataac aaatatcatg tggagaaaact 240
 tgatcgta ca ggctgcctat caaatcgcag ttctcctcgt ccttaacttt tgtggtgaaa 300
 gtattctacc aaaacaaaat accagagctg atgcctttca agtgaagaat actttaatat 360

tcaacgcgtt cgtcctgtgc caaatattca atgaattcaa tgctcggaaa cccgatgaaa 420
 tgaatgtttt ccgtaggagtg accaagaaca aacttttcgt gggaattggt ggagtgcacct 480
 ttatacttca gataatcatc atcgagttcc ttggaaagtt caccttaacg gtgaggctag 540
 actggaagct atggcttgct tctcttggtg ttgga 575

<210> 10199
 <211> 442
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220113d05d1

<400> 10199

aaaaaatcag tttgatagta tttctaaagt gacaaggaac aactttaaca atatcttgta 60
 atgttacaat gtacatttga accaaaattt ttttttaaaa tgaaatgatg ttaaaagtaa 120
 aaggaatcac gtaatgattg ctttatgttt aaaccctttg ggatttattg aataatatac 180
 attacattcg aattctaaaa ggatagttcg gcaatatgga gcagtaataa tatatactag 240
 tatattgtaa cctgtaaggc gttagcttaa tatgcatggc tggttatcca cgcgatgcct 300
 attgtgtagc acgagacctt aaccttttta atcgctgag tggcttcaag aagttacgag 360
 ccaatggtgt tttgggaact ggaataaatt ttccgacttt atcaaggggc caactgacaa 420
 atccattacc aagagaagca ag 442

<210> 10200
 <211> 504
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220113d06d1

<400> 10200

gagtcagcaa gagtaaatac catacaataa tgttgaaaaa ggttcacttt acaagttggg 60
 aaaacatctc ccatgattat cctatgatgt catgattaaa agaaatcaga gttcaatttc 120
 aacatttcct atatatcaag acaatttcct cgtggagaca cccaatctca tccctacaga 180
 aaccaaggtc tccagtgatc tggcgctatt tgctaaaagg tcttcatcaa ttgcaattga 240
 attctcttca aaaacgcaaa ttacagtgtc tccaccgaat gagaaatata caaactcatc 300

tccctttctta acatagtcgc cctttttctt tgtaaaagta atgctaccaa ccattgtagc 360
 tccaattgca acaaatgccca cctttccaaa atctacagtt gaaactattg aaacaactct 420
 cttgtttctcc gtgaagacat tgcagtactt gctatttaca gcaatgggat tgacagtata 480
 caagcatcca gggatatcta caga 504

<210> 10201
 <211> 552
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220113d07d1

<400> 10201

ataagaaaat atatcaaatt ctacattgat aaaccaggag acagtatttt ctataagtag 60
 caccctaaa gaaaatccag aattaaagcc aacttaacaa aaccagcatc caccatatat 120
 aattcagaaa caaatgcaaa gctaacaaat agaacctaag cctcgggtggt aggataactca 180
 aacacaatat ctttgcccga aagtttctctg tatactgcag caaaagtctc caatttgtag 240
 tcgggtgtgt ttcgctcctt ggggtccaaa aagaccttca taatcttgga accatcaatt 300
 ttatacctaa cacgctttcc aacaatctca gcaggcaata caatatcttc cagcattgcc 360
 tcgtgtacag cagtgagtgt tcgggtgctg ggacgctgaa cagcagaacc tttctttggt 420
 ggcctcaata tcctccgggt ggcaatcagg attacatcct ttccactaaa ctttttctca 480
 agttctctca caagcctgac atgaatcttc cggaatcctt tncttaatct gtangggaca 540
 tggataacca ca 552

<210> 10202
 <211> 306
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220113d09d1

<400> 10202

gttatattaa ttttttatta gttttgatag cttttattat ctcttcaaac aatttgggta 60
 taacataaat atagagcact agctataacc agccaaaaat gccacgacg aacggggaca 120
 acacagaaga agaagacaac tgcaagaaaa aaaggggacc cgaaaagcga aaagaaaggc 180

catttcctgc acaaaggcac caacagaagg gcaagagaag aaaaggctat aaaagacaac 240
gatgacaaga agaaccacaac gagcaactga accataagca tagaaaaagc cataactaaga 300
aaacca 306

<210> 10203
<211> 422
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220113d11d1
<400> 10203

tcctttttct tttttttttc ttatcttttt aatttttttt tctaattcaa gcaacaaagg 60
ataactggta tatataacaa caaattaaaa ttttaattcca ttgtatcaaa gctcagacta 120
cctataaaact gtaattatta tgcctaatat taagacaaaa tcctgcattt tatattcaag 180
gcaagtcttt tcctatgctt acatgactag gggacctacc ccgggctggt tccctttcat 240
ctcggttcgg acttggactt ccgctttgac tctgggccct ttgctggact ttgactacga 300
ctccttgagc cctcattata aggaggagat cgtgagtttg acctctttct acaatgctgt 360
gaaaatgatc ttttttgact gttccttcta tccttagggg agacagaatt tgaatacttc 420
ct 422

<210> 10204
<211> 359
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220113d12d1
<400> 10204

gtgtattctg ttgtcttttt ttttagttta tttgttggtc ttgtttagc caaaaaaaca 60
aaactttttt gccttgggac ccataggggg ccctgggggt tggccgactc caaaacggtc 120
ttcttccctt ttacgacatg ggggaccccc cctaccacaa aggggccgcc ataaaaagcc 180
ttttatatca ggagagtctc tcccacaaac tcaataagaa caggaagccc ccgttttggg 240
ccccccaggt caaaaaaaat atggggcaca tgtggttttg ccgcattttt gagagagccc 300
cccttggaat aaaacgcacc cgctcattct tccccccgtg ttaggcccc tttcttccc 359

09531113.032200

<210> 10205
<211> 552
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220113e01a1

<400> 10205

aaaatgctca agatccccgt tcaccagggt gccgggcaca aggccaagga cggaatcctg 60
ggcccactcg tcgacgattt tggaaaattc tacaagcccc tccagaccaa caaagacgac 120
gacacccgcg gctccaccga actctccttt tacacctctc tcgccgccgc cgcccacgac 180
tactccatcc gctccttctt ccccgccctt cacggcaccg gcctcctgga cgctccgac 240
ggctccggtc cccaccctca cctggctctg gaggacctcc tctgcggtta ctccaaaccc 300
tccgtcatgg acgtaaagat cggctccaga acctggcacc tgggagactc cgaggactac 360
atctgcaagt gcctgaagaa ggacagagag tcctctagct tgcccttggg ttccagaatc 420
ttcggagtca aggactctat ctctcctgga gaacctacca ggaaatctct ncagtgtcta 480
tcccgcaatg gtgttgcaat ttgttctcaa cagtttcggt tcctcttata atatcaacca 540
tgatgatcat ca 552

<210> 10206
<211> 464
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220113e02a1

<400> 10206

tcggttgaga atgcttacct tgaagataga gcgagatata aatgggatgc tgcagtgcc 60
tccttaccca catgagtatg tagacacatc caagccatgt gcacattctg catttttcat 120
gggcttgga agggaaagag ggagtaagag gtcaagaggg gcagcaattt gatatactg 180
gaacagttga tgaattcaga caagaaataa atatgtacat gtactggaag ccagggatgg 240
atatTTTTgt ttctcatggt cgtcgaaagc aactccctgc atttgTTTT cctgatgggt 300
acaaacgcac tcgaatgcc aagcatataa gccatcaagc tgaaataaca ggtgatgatg 360

ccacaaactg ctactctggg cctggattgt ctgaaagatg catcaagagg aaaaattact 420
ctgaaatggt ggataagaag ccagacaaac cagataagcg ggca 464

<210> 10207
<211> 511
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220113e03a1

<400> 10207

cgcaacttgc ctctgtgaca gttggacgtt ctcatecttg attaccatat attcctgcac 60
tgggaatggt tcggaagctg aaagaatggt gaatgaaatg attgagtctg gctctcagcc 120
tactattttt gttctgacat cacttgtcca gtgctatggg aagggtgggc gtactgatga 180
tgttgtgaaa acatttaatc aactcttggg tttgggcac agtccagacg accgtttctg 240
tggttgtctt ctgaatgtta tgacccaaac accaaaagaa gagcttggta agctaaacga 300
ttgtgtgaag aaggctaatc caaagcttgg gtccgtggta agatatttgg tgagagggct 360
tggggagggt ggttngaga tttaaaaaaa gaagcatctg aactctttaa ttcaattgct 420
gatgaagtaa agaagccctt ttgcaattct ctgattgac tttgtgtcaa cctgaatttg 480
ttggacaaag catgtgagct tctagacctg g 511

<210> 10208
<211> 593
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220113e03d1

<400> 10208

atccaaaaaa ataattatat atatgatcta ttacaaaaaa atcctcaaaa gacaaaggaa 60
aatgcataaa aactgcatgg catatcattc cctgaaatta cattatcaat ggagaaaagc 120
tgttggaata cctaaaacca taaagagata agaaattatg ctgttacc aa ttcccgagac 180
tccagccatg acttggctgc tacctgtgta gtcaaaaacc agccagcctt atccggagcc 240
tcatggaatg gagcattgag ttcgttcaaa tgtgattcaa ctacacttgc caaacctttg 300
tccgaatacc tgtgtttccc atgaccagta ttaattccaa gcagcgggtg aagatcctct 360

cctgattcca aagtcttgga caagtcattt atccaagcat gtaatgcagt cagcgaagct 420
 ccaagcgaga gactcttttag atgtagagac cactgagttt gagacttgga ctgtacatcc 480
 gtatatattt caaggggtcaa cccaggtctt agaagctcac atgctttgtc caacaaattc 540
 aggttgacac aaagatcaat cagagaattg caaagggtt ctttacttca tca 593

<210> 10209
 <211> 511
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220113e06d1

<400> 10209
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 aaaaaaaga cgggtacaat aagaatgctt cccctcactc atacatgtta gattcatcat 120
 cattagaaaa ataaaaataa aatgtaacct tgccaaactc tcgcatttta agggccacca 180
 accaattacc ctgagcctcg tgtggacatc caccagcata cctcgatctt caaaatcggt 240
 cacactccct ttccctcttt ccaactctta aaaaatgaga gcacccacct cactcaacaa 300
 gaatgtatct gccaatacat ttggtaatag tgtcatgtgc aggaagcttg tcatgtcagt 360
 gtatcttgct tgtcatgtca gtgtaatgtt cctctgggtg agttacatat gtacatgaca 420
 ttgcaaaag agaaaaagag ctctaagtga cgccttgaga aacacaccaa ggcagtggca 480
 cagccaaata ttctactatt tggcagaaga a 511

<210> 10210
 <211> 567
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220113e07d1

<400> 10210
 aaaaagaact ctcatactct atttcttctt ttttgtttca ctgtatacta ttctactagc 60
 agggtcctat taaacaacag gaagttcatc tttggatatc tcattttctc ctcatgtca 120
 gaaattatat ccagcatgat tatttcaacta gttcttagta aagagtctat gctttgcctg 180
 tatattagta gcttttttct gatagagctt tccaattaac caaaaggaaa atctccttat 240

ctaacagcca ccttcgccta attttaacac tcatgcccct aaagagatat atttaaagca 300
 cattttttgt ctcatcactt tcatattcca aatcctgcaa tatcataatt cttaattcta 360
 aacataactc atggagctcc aacacatccc ccagcattca agtcaagtgg ctgagtaatg 420
 aataatgctt ttgacgtata tgttgagaaa tatttgatca cagtttcaat ttcattgtact 480
 tctcatagaa gtcttgtatc tctcttagt gacgccttca tcatattctc cagcactttc 540
 ttccacccag cgaacgtaaa atgcatc 567

<210> 10211
 <211> 89
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220113e08d1
 <400> 10211

ttttttgatt attttttaac gttttatctc ttttaattcc tccaacggga cttattttta 60
 tacttacacc aaactttttt aactattct 89

<210> 10212
 <211> 466
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220113e09d1
 <400> 10212

acgttctatt atatatatat ctatctatat tctatatata gatataattgg ttagggatc 60
 aagttttaat ctgaaataaa taagaattgc tgcttctaatt acttataata attactacaa 120
 attctaataa ttactacaaa agggatatat gttagataaa atagattaat taatctattt 180
 cacaaaaaaaa taatggatcc atagcacagt ttcgtcttat aatacctcgg gggctaataga 240
 actatttttag tgaaatttaa ctgtctcaat tcccgggcga ttgcccaaaa gattcgagtt 300
 ccttttgga ttccttcttg atcaatgaca actgcagcat tatcatcata ctgaattatt 360
 ataccgttgc tacgtttgag ttctttacaa gtacgtacaa ttacagctct gatcacttct 420
 gaactttcta aagtcgtatt tgggactgct tgtttgatta ccgcaa 466

<210> 10213
 <211> 459
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220113e10d1

<400> 10213

aaaccagaat ttttgtaaac aaaatatttatt ggtccaatta taaatcgagt atgataaaac 60
 tacatagaac tagaatccac aaagaatatc aacagtcagc aatacactgc atggattttct 120
 tattttataa ccgaaacata tgcttttaggc agcaggattt gattggttgg attcttgctg 180
 ttgtttccac tggctctgggg taacagcttt cttaatagag agagcatgga tttgtttcat 240
 ttctctctct aaggcagcat tcaccattcg atgcctctca agtagccttt tgccttcaaa 300
 ttgttctgat acaatctcca ccacaaaact tgcaccgcac cctccagatg tatcaaccac 360
 ttcaagatga gaagggttca gtttggcctt caaggatgat tcaacttctg tcttcgtcac 420
 gcccatctct cttctctcag tcttcttttt cgcccttta 459

<210> 10214
 <211> 522
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220113e11d1

<400> 10214

gcatatatca catgtctctt ttctcattaa ttatatcatc acacatatca ttacactcta 60
 ctagaaagcc acacagctct ggtaaagcta tgttcttaat tctatcaca aatcatatat 120
 agatccttaa aggatcataa cactagtttg gtccccaact tcccataacc tataatagct 180
 agaagtacaa agtācatcaa gaatatctac taccttttga acaccatcta cctcacaatt 240
 tcccttgtgg cctccaaagg aaaaactcac gagaggaaga gatttaatca aacacactta 300
 tccttattgt tcaaccatgc caaacctaa gaaaaccaa ggaaacaaat ctctattatga 360
 gacaattaag gttaaaataa agttaatttt atttactgct gcaacctttt cttcttcac 420
 ttcttcagga atcacctcct tcttgcagca gtctctcctt gagcattgaa gtaaactgca 480
 gcaactggta ggccaaggcc attctcttct gagaacctcc tt 522

<210> 10215
 <211> 287
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220113e12d1

<400> 10215

tcgctctgag atcatattaa ataccgcgtc atcatttttaa aacaacaatt cactaagctt 60
 atatcaggac atcattggat tctcctggt gtctttctct gacacagcta ctgttgccaa 120
 ctgcacacca gtgtctcaga ataatgcgat cacttgtggg aagtacataa gtccttttc 180
 tttagtggga ggaaaccgaa ggtgatcatt ttttgacgt cacttggagc ccaatagccc 240
 tactataaga taccgggatt gcatgagcca tgagtgaac tatgtcg 287

<210> 10216
 <211> 574
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220113f01a1

<400> 10216

attggctgat gtcagcagat agcatggaat cttgatgata aattatgcta ctgggtgcat 60
 atttgagtat gacaaagctc atccagaggg ttctggcatt ggctttaagg aggaagacaa 120
 acccaacttc attggttctt tctattccaa aactaaggct atggtcgaag agctcttgaa 180
 agaatatgac aatgtgtgca ccctcagggt tcgcatgcca atttcattctg acttgagcaa 240
 tccgcgcaat ttcattacca agatttctcg ttataacaaa gtagtcaaca ttccaaacag 300
 catgaccatt ttggatgaac ttctgccgat ttcaattgag atggcaaagc gaaacttgag 360
 gggcatctgg aacttcacaa atcctggggc cgtgagccac aatgagattc tcgagatgta 420
 cagggattac attgatccaa gcttcaagt gactaacttc aatcttgaag agcaagccaa 480
 ggtgataatt gctccacgga gcaacaatga gatggatgca tccaaactga agaacgagtt 540
 ccctgagctt ctttccatca aggaatcact gatc 574

<210> 10217
 <211> 501
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220113f02a1

<400> 10217

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 cgttggcaaa gagatcgtag atctgtgctt ggatcgcgtc cgaaagctcg cagacaactg 120
 cactggtctg cagggcttcc tcgtcttcaa cgctgtcggc ggtggcaccg gttccggtct 180
 cggatctctc ttgttagagc gtctctccgt cgattacggc aaaaagtcca aattaggggt 240
 caccatttac ccttccctc aggtttcaac cgcagtcgtg gagccctaca acagcgtcct 300
 ctccaccac tcccttctgg aacacaccga cgtggctggt ctcttggaca acgaagccat 360
 ctacgacatc tgagngagat ctctcgacat cgagaggccc acctacacca acctcaacag 420
 gctcatttcg cagatcattt cgtcgtaac cacttctttg aggtttgatg gcgctatcaa 480
 tgtggatata actgagtttc a 501

<210> 10218
 <211> 471
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220113f02d1

<400> 10218

attcaaaacg aaaatctggt aaaaattgcg agcatataaa cataagaaat caacttttga 60
 catggacaat tctgaaaaca tgacagaggt cgcaaacaac aggtcctaaa ccacccaaat 120
 agaagcataa tgatgatata acttcacagt ttgaataatg gagaactata tcacacagga 180
 gtaaaaacaa aaaggaacga acaatactgg ttcagggtaa tgtaacgaag catataccct 240
 ttttactcga aacaattaca ttgataataa aaccttcatt tatgaatagt cctctccttc 300
 ctcatcatct tccgctcctt cagccccaac ctctcatag tccttctcaa gagcagcaag 360
 atcctcacga gcttcagaga actctccttc ttccataccc tnaccaacat accagtgaac 420
 aaaggccctc ttggcataca tcagatcaaa tttgtggtca atgcgagaga a 471

<210> 10219
 <211> 292

<212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220113f03a1

<400> 10219

cttcctcttc acaggattaa aggaactcca aatggggagg aaaggggggtt ggttttctgc 60
 agtgaagaga gtttttggtt ctgattccaa aaaggaacag aaacaccatc atcatcatca 120
 tcatcataag tcaaagtttag gatgttttgg gactcatcac tatgaggatc tagaaggagc 180
 accaattgcc gttgttcctt cacttccacc aagaaaagat cccaaaccaa taagtgaggc 240
 agagaataat gaacagagca ggcaagcctt ttctttgggtt ttggctactg ct 292

<210> 10220
 <211> 593
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220113f03d1

<400> 10220

gaataattga taaatacttt acaaacagaa taattaatga gtaattacat aaagaatata 60
 tattgtcatc aaactagtat ccccccaaa accaatcttg ttataacatc acaaatagca 120
 ctactataac cagttaagaa gtaaaagaag aagttgccta cattgattat gaagacaact 180
 gtaggaataa aatgattact tgatcagcca aattttattc catttcctcc cccatggcac 240
 caacagtatg gcttgtgaag aaaagttgat agagacaact ataaaaagat gataccatct 300
 tttatttgat tcatcttcat tcatatttct attctaagta caccaatggc acgcatgagc 360
 atgatgcac cctacctgct cctccattt ctcatctca ctttctctc agggatggta 420
 gcattagcaa cactcttggtt ggaagccaca tttcccggtc tagttgaaac agcatacctt 480
 cttgtaccgg ctggagaagc agggaaagaa agcctcttct ttatgagagc agaagctgct 540
 ttttcaggtg ttccattact atgttcgcca accaatgcac ttctcacttt gga 593

<210> 10221
 <211> 583
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220113f04a1

<400> 10221

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ctttggtttc aaccattttt gtcttgcttc tgcttctggg ggccactgag atgatggggc 120
caacaatggt ggcagaagca agaacttggt agtctcagag ccaccgtttc aagggggccat 180
gtttgagtga caccaactgt ggctctgttt gccgaaccga acgtttcact ggaggacact 240
gccgtggctt ccgtcgcaga tgcttctgca ccaaacattg ttaattttaa aaaattaatt 300
aagagtgctt tgatagaaga tgatagatct atcatcttct tactcgtgtt gtttaattaac 360
cactttgtgt ttgagaataa gggttaccca ttctactatg ggtttctttg tttgcctctt 420
attttatcta gttagagatc cttttatgaa acgagtgatc agtgtgaagg attatgtatc 480
tgtgttggtt attaataatta ttctagtaaa ttttattccg tcngnacttt ttatattctg 540
ttttggttgg gtcgcagata aaaggatnta ttatgtacat nct 583
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<210> 10222

<211> 596

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220113f04d1

<400> 10222

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tcacgacgga ataaaattta ctagaataat attaaattaa caacacagat aacataattc 120
cttcacactg atcactcgtt tcataaaagg atctctaact agataaaata agaggcaaac 180
aaagaaaccc atagtagaat gggtaaccct tattctcaaa cacaaagtgg ttaattaaca 240
acacgagtag aaagatgata gatctatcat cttctatcaa agcactctta attaattttt 300
taaaattaac aatgttttgg gcagaagcat ctgcgacgga agccacggca gtgtcctcca 360
gtgaaacgtt cggttcggca aacagagcca cagttgggtg cactcaaaca tggccccttg 420
aaacggtggc tctgagactc acaagttctt gcttctgcc aattgttgg ccccatcatc 480
tcagtggcca ccagaagcag aagcacgaca aaaatgggtg aaaccaagg cactgagcga 540
gacatgtgtg agagtacaca gtttcaagaa agactgaaca agccggagct cgagct 596
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<210> 10223
 <211> 410
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220113f05d1

<400> 10223

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 attctaggct tacaacaatt accattagga agggaaaaaa agagagtttc aaaaaccatc 120
 gagtattggg gatcaaaaaa aaaaccaagg gaaaaaccgt aaagggcaac ccgggggggg 180
 ggggggttcc ctggtaaata taccggataa aaaattaacc caccttcaac atgcaaaagc 240
 atttcaaatt ttcaccccaa ttttggaca ttaactttat acccaaattg ggatttaaaa 300
 ggttcatatt gaagcttcaa tttccaggaa acccatcaaa attggaaatt tgagggactc 360
 tttacaaggc tattcccttt ttttttaaag aagtcaccct tacttaaaaca 410

<210> 10224
 <211> 469
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220113f06d1

<400> 10224

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 attcttcatg tcacaatgaa aaagtacagg atatgtaatc aattaatatt ggtataatcc 120
 tatctactat ctataatcga atcatcgatc ggatccagct atagctcctt cgttccgctc 180
 acaaaaggaa tgcagacagt ggacaaggga agacgaaagt acagcaattt gtgtaccctc 240
 gaaagcacc aacacaaact acatgacaat ttcatttttc tatattttat caacaacttg 300
 ttatccattt tttggaaatc aattccgccc cacaacacaa cacatccgtt ttgtttcata 360
 aacctgcac aaagggtagc ccaactcccag gaatccacga gccccagcc aagaaacttc 420
 caacggtgaa ttttacagcc tcagtactgg agatcacgcg aaacccttt 469

<210> 10225
 <211> 268
 <212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220113f08d1

<400> 10225

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gttgagtcca acggaagaat gaaatggcta cgttatacag tactcacaag agaaacgctt 120
ttcggcaaga acaataaata atggatgtta cactttaagc acctacctaa tccaggacat 180
ggtacacacc agaaaaatgt gattttttct ggtaaactat gtgctgcttg aagtaggaag 240
ctgtatgcat acttcttatt ttcttatt 268

<210> 10226

<211> 393

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220113f09d1

<400> 10226

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aaaaatgcta tctttctggg tgctaatacct tacctagtga aaagggtcat gtgggtacca 120
tgtagcccat tcattcttga gatatttcac cctttttttt catttttatt ttctccctaa 180
cctttttttc ttcttttctt tatgggactc gtataattgg tggcttttta tcaactgaaat 240
tgaagatatt gggggctcat gagtggctgc ttgaacctga aggtcccttg gggattcttg 300
gtctggaggt tgggtgttggg gaaattgcca gagggaccct gatatttctt taacgggtat 360
aataacatgt tggcctcatg atccctgttt gga 393

<210> 10227

<211> 546

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220113f10d1

<400> 10227

acgattgaaa caccattgta ttaggttcca aactggtgaa gaaaaatcca gtagtacaac 60
ttgaaatgac caaaagtaaa aagaaaagga aaaacttaca actgaaacaa caaacaaaat 120

ttgtgaaaga aatttgactg aatattcttt gcatgggtta tactattgta tagcattaaa 180
gctatcaaac tggattgttc ttcaccaggt gtatattgca atatgtgtta tgtttcaatc 240
tctataataa cttaaaattc attgtaattc ctctgaagga cattggatca actctaatat 300
gttgattacc ttagccatat caggacggtt tgagggcact tgtgatgcac aaaccaaccc 360
caattttatc acaggaattg ctttatctgc agcaaaatta cccttaagct tctaataaac 420
acattgctcc actttgtcat cattcaatgc acttattacc ttgtaccaag aacacaacat 480
atcctccgtg tattcaaagg cttttcctgt tccacctcaa attaaaattc aaactataat 540
ggacac 546

<210> 10228
<211> 526
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220113f11d1
<400> 10228

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gcattgggtta agcatatata taagtatagc gacacaaaag agcatatata attatgatat 120
tatcaaataa aaaacttttag aaaaatatat aaatttaa ataatcacaaa tgaattcagt 180
aaaaataaat taggcccata gaggaatata aacacatata actttgattg acattaattc 240
tctgagcaac aatgtcaaat agtcaatatt aaagctagta gtagatgcaa attatgcaat 300
gtaaattatc attgtttaga aacatattat cattagttag atctgatttc attacctatg 360
aatacattgt atactcataa ttaatatcga gaaacttaaa gagtgccaat atttttcttc 420
acaaattatg aaatacatgt tacatacaaa gttgtagaat aatcaagtta attattaaat 480
tcatgatcat aaattgaaaa atggtagaaa cttgaactta catgat 526

<210> 10229
<211> 565
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmf102220113g01a1
<400> 10229

cctatatgat tgcatacctg tggcatgtgc atatttattt ctaccaactg caacgcctat 120
 gtgaccaaag cacaacaac cacactacta caagacaata acatgggatt aatgcatgcc 180
 tttattttta gagccatgag attggactct aattgattaa accatatact ctaatatatt 240
 ttggcatgag tggatgcatg ggagtctgta acagctacac tagatcaatc catttcccga 300
 atgacgatgc tccttgtggg gaggggtata gtgaccatc 339

<210> 10232
 <211> 496
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220113g03a1

<400> 10232

gttgctttcc attttggcta taatttcaca aaatgtgcca ttcattgcaa gtgtaatatt 60
 actagcattt ccatatatca gtccatggcc tccttaatgc tcaatggagc tcatcaaaat 120
 ccaaacctca ttagtggcat agctccaaat ggccttaact ttcacaacaa gtgtttattc 180
 caaaaggggtg tgctgtctca tggtaacaag ttaaggggtg tcagaaaaaa cttcactccc 240
 aaaggcagca tgcagcatc atcatcatca tcatctagge ctggttctca gccaaagggtc 300
 atccagcaca agaagggagg catttggttc tacagggttc tctctattgt gtatgaccac 360
 atcataaacc cggggcactg gaccgaagac atgagagacg aggcactgga gcctgctgat 420
 ctctacaacc gcaacctgag agtgggtgat gttggagggtg gaactggctt caccactctt 480
 ggtatagtga agcatg 496

<210> 10233
 <211> 447
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220113g03d1

<400> 10233

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 taaaacttgc caccaacgca cattttccaa ttaaagctaa aacaaacctt tttgaatgtt 120
 gtcattgggtta ccttggcttg tccatttggg cccaagcaaa gcaaaagaag cccaacattt 180

tgatgatcct gccctgggttc attgaaccat tggctgcaa cacacattct atatttcttt 240
 gccaagcaa caatgaccaa ttcaaacct agtgaagcta gtaatggccc aaaactaagc 300
 taatggtttt gaagcatttc atccctaagt aactctttcc tactatgttg gcccaatgga 360
 aagattccag attgaattat tacccttcac aaacaggcgt ttaaagatgt gttgcgggaa 420
 aacttgacct tectaccga gttactt 447

<210> 10234
 <211> 508
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220113g04a1

<400> 10234

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 cttccccatc cttggctggc aaggccgtga agctgggccc atcagcccc gaagtcggga 120
 gggtcagcat gaggaagacc gtcaccaagc aggcctcctc cggaagccca tggtaaggcc 180
 cagaccgct caagtacttg ggccattct ctggcgagcc cccgtcctac ctactggcg 240
 agttcccagg tgactacggc tgggacactg ctgggctttc ggccgaccca gaaaccttcg 300
 ccagaaaccg tgagctcgaa gtgatccact ccaggtaggc catgctcggg gccttgggct 360
 gcgtcttccc cgaactgttg tcccgaacg gggtaagtt tggagaagct gtgtggttca 420
 aggcggggtc ccagatcttc acgagggtgg gctggactac ttgggcaacc caagccttgt 480
 ccacgcccga agcatcctcg ccactctg 508

<210> 10235
 <211> 556
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220113g04d1

<400> 10235

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 gtacattgca ataacatata cttcaccaaa cacaatcta aaaactctca aaagtccaca 120
 agtcatcctt ttctttcatg ctacttgcc ggggacgaag ttggtggcgt aggccaggc 180

attgttggtg actgggtccg caaggtgatc agcaagggtc tccaatggac ccttaccggt 240
gacaatggcc tgaacaaaga acccaaacat agagaacatg gccaatctcc cggtcttgag 300
ttccttcacc ttaagctcag caaaagcctc tgggtcatca gcaaggccca atgggtcaaa 360
gctgccacca gggtagattg ggtcagtgc ctcaccgagg ggcccaccag caatacgata 420
acccttaaca gcaccatta ggataacttg ggtggcccag atggcgagga tgctctgggc 480
gtggacaagg cttgggttgc ccaagtagtc cagcccaccc tcgctgaaga tctgggaccc 540
ggccttgaac cacaca 556

<210> 10236
<211> 570
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220113g05d1
<400> 10236

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aaciaattac atggcacaat aaactgcaag ttacacgaag aattacactc ttcaataagt 120
tctccattcc gtgcgctatt ataatatccc acttacataa tcaacgtcac tcgatcacct 180
tcacttcact tcacttcact tgggtatacca attcaciaag atattagcct tgaaatggaa 240
aaaaaagggg attaatgatt aaccataaaa ggaggaggac atagaaaaat aaaatacaga 300
ataaacaact ttagagagaa agatgatgat gaagatgatt aatatctctc tctaagtagt 360
agagttagtt gttgtctttg gcatgatctt ttgcaatatt atcgttttca acttctcctc 420
cttccgtggt aatagcagaa gaaacgtagc tcagcaccaa agaattatcg tcggggctgg 480
tgggtggttgc atttcgagct tggaaactgtt gtttgcaaag tggcaagtga tttggagcat 540
ggtggagttg atttgcttca ttgcatgttc 570

<210> 10237
<211> 449
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220113g08d1
<400> 10237

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 tatgcctgtc ggcaaataaa tatataatgt aaaaaaaaaa aaccacaaat aaagatctaa 120
 aaaattgaca ctattatata catctcaata tcaatcatca catatcaccc tgatcggtat 180
 gatccaccgg agttgttgta cggccctcc gtcgagattg ccggtggtga ctgccgcaa 240
 atttcaacct tccggtctcc ttaaaccctt gtttctcgga ggttacaatg acacactcgg 300
 gttgtggcac agggtagctt aaagtatcat agcaatatga atagtacatg taacgctgac 360
 ggaaccgccg catggtgagg cggcgcatgg gggtcacgcc ggcatagtct tgagcctcga 420
 gatcggcgtg ttggtcggag caagacttg 449

<210> 10238
 <211> 476
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220113g09d1
 <400> 10238

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 tagcatcact tgctgctctt tgcttaattt taaccgcaca aggcagcttg caaagatggg 120
 atccatgctt acacgaataa tgaaaacaga gaagttgaac agagttctgc aaaatactga 180
 aaacaaaagt ttccatacct tttcttcatt ttggcacaat agcattccgt tgatctgagt 240
 cattaaccag taagtttaat ttgttcaagt ggcaaagtaa tcccatccca atatagatag 300
 cggaagttat aaaataactg ctgaataggt ttcaacaaa taagataaga tcgttgtgta 360
 gtccccagat tgaaatccag tattgtgatc aatgaagtaa ggaacctttt tagatccaga 420
 agcatccaag agtaacttca ttcgaggaga ccttctcct acattttgaa gaatgt 476

<210> 10239
 <211> 445
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220113g10d1
 <400> 10239

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cctcgaaagt gaattaggaa gaaaacacaa ggaaggaaaa ccatacacag aagaagattc 120
 cagagaaatt caataatata caatcctttt ttttttattt tcattttccc ccctctagta 180
 gtcagtggcg ggaagctgct cgtgggtgtg gctgataaag acagcctcgt aaacaaggcc 240
 agcgaatcca ccaccgatga gaggcccggc ccagtagatc cagtggttgg tccagggcca 300
 gctcacgaca gcaggcccaa atgtcacatc ggggttcaag gccgatccag agaatgcccc 360
 acccaacaaa atgttaacgc cgacaatgaa accaatggcg atgggagcaa taattcccaa 420
 attacccttc ttgggggtcaa tggca 445

<210> 10240
 <211> 449
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220113g11d1
 <400> 10240

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 atatagcaac tattgtcaaa atcaaggcaa tagctgttgt tgggtgtggga gatacaacag 120
 gtaaatgaaa taatctacat gtaaaattct aaatagacga gggtttagat gaactccaat 180
 aattacatta acttacaaat atggattact aaaagaacac aaatggcgag tacattcacg 240
 taggccagca aactagttaa tgggggtatg tgcaaaatcg agctaaatta acaacgcata 300
 gggaagagta agagatgctg cttgcctatg cttcaaaaga aaataaaaagt gtcctataaa 360
 gttagctctc taaactttgg tcagcctctg gtccttgga ttgaatggct cctccattca 420
 ttcttgcacg tgcctctgca aacattctt 449

<210> 10241
 <211> 313
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220113g12d1
 <400> 10241

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 gcgcacgaca caaagaaaca aaatcaatca tcttcttcaa catgccgtgc ctaacaacat 120

aaaagagacg gggggggaga aaaaaaaagg gggcaaaaaa aaaaaaaaaa aagggggaaa 240
 aaaaaaaaca cccccaaaaa aaaaaaaaaa aaaaaacaca aaaaaaaaaa aaaaaggggg 300
 aaacccaaaa agggaaaaat acaaaggaaa aaacaccaa gagggaaaagg aaaaaaaaaa 360
 aacggaaaaa aaacccccag ggggaaaaaa aaaaaggccc cgggggggta caaaacaacg 420
 gagggagaaa aaaaaaagcc agggaaaaaa cccaaggccc caaaaaaaaa aaaaaggggg 480
 ggggggaaac agccccaaaa aagggggccac aaacaaagac ccgaaacaaa aaaaacaccc 540
 caaaaaaaaa gagggaagaa cccaagcgg c 571

<210> 10244
 <211> 567
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220113h03a1
 <400> 10244

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 atcttcttct tctaaaatta ttttctttt ctatccttct atctatcatt cttttacgct 120
 aaaaatcttc tcgcttctta gcttagctgt tctgttccag aaacgataaa atcaatcaat 180
 caaaggaagc aaaaaagtca gaatggatct gtgtgctgtt catgcgaaga accttttcca 240
 caaaaattcg ttttgccaca gaccatttc ctccatttg ggaaggacca gagtgtttga 300
 gatcactgtt tcgaggagaa agccttactc taaagttggg tatcgcccat ttgttgctcag 360
 cgccacgggg aagaagaatc atggcaactc ctcttcttct ggcaatgaag aacgggtccat 420
 tcccgaagga gatggtacta gagggaaaca ttcttctgat ggcaacaaat cagaaaacaa 480
 ctctgagaaa tgccaccata ctaatctggg atggcgcgag ttcacgggca agctatatag 540
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<210> 10245
 <211> 564
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220113h03d1
 <400> 10245

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 atcaaactat tctaacaagc ataattacaa gaacgaagca aggtacagtt cctcttataa 120
 caatagagta ggacaggagg ataaattatc tacttatttg gcattaaagt gaacatcggt 180
 aaatttgact ttgcagcacc ttgattacac gttcttcatt tgtctctaaa tctgaaacca 240
 tacattagta cctacatgtc ttgctttggc ttccggctca atttggagta atggccaccc 300
 attagctgca aaatcttctc ccacaaactt tctgacggat ctgataaagc cccacaaagc 360
 aaacttgagc tacatgcagc tacataccaa taatctgact caatctcatc tctcaactga 420
 tccagttgcc atccggcata accaaciaag aatctgaagt catgaggctt gagaatcccc 480
 ttcttcacaa gccctgcagc atcatccaaa ctgtatcgag atccaaaaca tagcccaggg 540
 attacctctt caaatcctgg aagc 564

<210> 10246
 <211> 521
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmf102220113h04a1

 <400> 10246

gttataacat ttatagaaag aaaaaataga agaagaaaga gttctgacca tggctgcatc 60
 attatttatg ccttcatcca tagtggacga agaagcgagg tttgaagccg aagtggcgga 120
 ggtgcaagca tgggtggaact ctgagaggtt caggctaaca aaaagaccat acacagcaag 180
 agatgtggtg tccctccgag gcaacctcag acaaacctat gcctcgaacg agatggcgaa 240
 aaagctctgg tgcctttctga agaaccacca agccaacggc acagcctcaa ggacttttgg 300
 tgcacttgat cctgttcagg tcaactcaaat ggccaagcac ttggacacaa tctatgtctc 360
 aggggtggcag tgctcagcca cacacaccac gagcaacgag ccgggccctg accttgctga 420
 ttacccttat gatactgtcc caacaagggt gagcacctct tctttgtca gcagtaccat 480
 gacaggaagc aaagagagga gaggatgaga atgagcaggg a 521

<210> 10247
 <211> 459
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220113h04d1

<400> 10247

gcatgtccaa atatacacta taagtaaaat atgtttaaca gtaggggtaa aacaaattac 60
 aaaacacaga aaaacaaggt ttccttggtc tccttgccca catggccaag agtctgaaca 120
 agtaagaaat ataagaaatt atgaaggcaa aaattgcaga atgattcaat ggcccgttta 180
 atacttcaat tattgaggac atttattcca aattccaatc caacacagaa attggggaat 240
 tttccccaag ttccactctc ggcagtatag ttctgcaaaa gtagcacttt cacattctgg 300
 ccttagcaac cacaatactg cctctatcaa tttctacagc tcctggccta gtccatgatt 360
 ctttaaactg ctcttcagtt actccttttc ccattgcagc agttgaagcc acacctccct 420
 ggacagtctt gagataccta tcatagtagt tagcaccag 459

<210> 10248

<211> 420

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220113h05d1

<400> 10248

ggaaaagtaa ccacccctt aaattttttt gagaatctca agggatttag catttgatcc 60
 acgtcggaga ccaaattttt gacagtatct tggttagaac ccagtttttt tattttggtt 120
 ggaagttgaa atttcccat aaccattcac cagtcaaagt ttacccttt tcaaattttc 180
 taccgcaaga aatagccatc cagagaattt gccatcaacc tagctacca gggtaggtat 240
 gcacactcca cttcaggggt tttgctggtc tttccatata ctctctgtta ctggagctt 300
 caactttttc ctgtctccac ccgagaagaa aagcgccatg ttgcggtaaa tgatgagacc 360
 ctcatgggtg gctcttacct tcttatgggt acctctaatag ctttttggac cccctaaaa 420

<210> 10249

<211> 401

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220113h06d1

<400> 10249

aattcaagca acaaacataa ctggtatata aaacaacaaa tcaaaatcca attccattgt 60
 atcagagttc agacaacaat aaacagaagt aatttgcccta atattaagac aaaatcctgc 120
 atatgatatc caaggcaagt ctttcccat gctcactgac taggggacct accccgggct 180
 ggttcccttc catctcggtt cggacttga ctctgctct gacctgggcc ctttgctgga 240
 ctctgactac gactccttga gccccatta taaggaggag atcgtgagta tgacctcttt 300
 ctactatgct gtgaaaatga tctttctcga ctgtaccttc taccctcagg ggagacagat 360
 cttgaatact cccttcgttt ggcaggagga gaataataat c 401

<210> 10250
 <211> 470
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220113h07d1
 <400> 10250

atattattat ataaagatag tctataatca ctagaatttc tatatattta tacttagtat 60
 ataataattc tagtgattat agctaagcca atatatatca taatataata tacccttttc 120
 ttattcaaag aatttatggc tatgccttat catttttagt caaagaaaag aaattatgga 180
 attgaaataa ctcactcaga agcccttta aaagattacg cggtacgatt gaatcaaata 240
 agcccttatg gaataaatat tcagctgctt gtgaaccttc aggtactgcc ttattcaatg 300
 tttgttcaat tactctttta ccagcaaatg caatataagc atttggttcg gcaataatga 360
 tatcccccaa catgccaaaa ctagcagtta cccccccagt agtgggagat gtaagtatgg 420
 atacatagaa taacttttta tatttttgat aatcatataa agcagaagag 470

<210> 10251
 <211> 480
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220113h08d1
 <400> 10251

aagtcaagat ttattatatg acaaattatt tgtacaatag ataattgagt ttactcataa 60
 acttaatgac acaggcacia atgagcaacg acgtaataa tattcaaacac taactaattc 120

tagtagtattc tcaggtggta agaaaggtgg gaagaaga caggacttgc cgtctatcca 180
 catgtgcctc tcataacacg caagagattt tattcatgaa atatgttatt ttaagtagct 240
 agaattacac tgtcgtctca actatgtatc ctctgatagc tagggcatca gcaccttaat 300
 caagcaactt cactcactac atcatcccca tctcaacagc ctttacggaa atcctcctgg 360
 gatgccacca acgccaccaa caccacaaa gccagtgttt gagaagccgc cgtcgacgcc 420
 accaccaaag ccaggaaga tgccggggaa tccagtgccg gggaatccag tgccggggaa 480

<210> 10252
 <211> 525
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220113h09d1

<400> 10252

gttgataaaa ataataattt taattaatgt ttatgaaata ctgaatttat aacaatttct 60
 tacataaatg ccacacaagc aaattcaaag gagccgaac aaacttacac aatcgaggat 120
 tattttttgt tcatttcatt gcccttgatc ttcaaataag aacagtaaatt tattcatatc 180
 acagttacag cacatttatt aaacaagttg tgaaattgtc tgcttggttc cttgggtaatt 240
 ggaacaaatt tgtacaataa gattattcac ctccacatt attaaatcaa gcttccaacc 300
 aaaatgattg catgggatct ttacaccaat agcttccaag tttctttgta gtccttagta 360
 agcacaccag tctttggtct tcgggtcttcg gtcttctaca agatgtttat tcttgaatag 420
 aacaagtcatt gtgatccaag aaatcaagag ttctgaaact gggatttgta gatgtcatga 480
 ccagaagtgg ctggatttac tgggcacagc ctaacagaga atgag 525

<210> 10253
 <211> 159
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220113h10d1

<400> 10253

tgtacgtctg tgtgatatga tgcaactcga ctgctacctc tgcaggatac cggttccgga 60
 attaatgtca ccgggtacgt acgagctcac ttagtccgctc ggctcgtctcc tttattttta 120

ttttttttat cgaaagcatt`aatagaatat taa`ctagta

159

<210> 10254
 <211> 499
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220113h11d1

<400> 10254

acgtaaaatt aaaaccagta tatgtcaatg tagtagctta tcgtgctagg tgagtacaac 60
 accatggaca gaaggctaaa agttagacct ctttttgtag aaaacaagag aataagaggt 120
 attattgttt ctacttgatt catttatttg tactaatttc tagctgacta ttttttagtt 180
 tcgacgtgca gatttcatgc tccatgcttt taggtattcc acggtgatat gctcagtacc 240
 gttattgaac acaaacaat gagctttttt ctttattgct agggtaggat aaaccctaga 300
 caagatgttt gttcttcctc cggtccaaa actctccact actgagtgat caatcaaact 360
 cttgagagag agctttttat ttttggctaa atccacattc acaaagcctg caaatgatgg 420
 cttgtacaat tctctcttta aagaggaact tcttgcacg gagcacatga aaatcacgtg 480
 ctcgtttgga gctttaaaa 499

<210> 10255
 <211> 405
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220113h12d1

<400> 10255

gcgcgggata attgtgatct ttcttgtgaa aatagttgcg agcgtagtag cattacacta 60
 aatcattacc ttatgatgat ttgattagca caaatttaca ttagtttcat ggcattccgat 120
 gcaaaaatga ttcacaaatt aacaaaggca tccgagtaag cccgaaataa ttatatatca 180
 tcatatacga cgatgaccga aaaagtataa attgtacgac gaaatgcgcc aacgctggtt 240
 tcactntcat gaggggtaac cttgtaaaac ctttttttcc attccagtaa aattttcttg 300
 acagacctgt ttctcagtct ttactggtgg attgatcact gatccattat gcatcgnggc 360
 actggatttg aaaggaaagt ttcgttagga agcaacaccg atgga 405

<210> 10256
 <211> 484
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114a01a1

<400> 10256

gcttcgcggc gttgtcaact tcccttcacc caaccacctt ccatctccaa acaaacatgg 60
 gttggaaaca cgacgccgtt ttggccagcg aacctgtcgc cgaagaagcc cctgcagcc 120
 ctgagctcga ttccgggaag aagaagaaga agaaaaagaa gaacaaaaaac aaagacaagc 180
 accaaaccga aagcagcccc aaacgaaagc tcgacgaaca ctacccccaa aacggcaccg 240
 aatcgaagaa gaaaaagaag aagcaccacg agtccaaggg gaacgccgag gaaaccaacg 300
 gcgatagcaa caacaacaac ggcgatggtg ctaatcgca ggaaacggcg acggatgggt 360
 ctgttgtggt caccggtaac aatgcgggag aggcgaaata cgccgcggtg aagagcttcg 420
 cggattcggg gctgccggag aacgtgctgg agtgctgcaa gggtttcgag aagccttctc 480
 cgat 484

<210> 10257
 <211> 527
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114a01d1

<400> 10257

ggtcgtaaaa ctaagcaaaa aaacaaagta aaagtaattt cacaagtatc ttatcatcgg 60
 caccaaaaaa gcaagcgcag agcgcagggg aattcttaat ttcccatata tgataaaaat 120
 ttagactaat ctagagctca tcgtgagaat catcctcgtc ttgcgcttcg ccacctgcac 180
 cacctggggc tctcctgat ctctgataca cagcactgat gattgggttg caaacggctt 240
 caacctcctt cagcttctct tcataatctt ctttctccac actctgggtg tcatccagcc 300
 attccaatgc ttctttcact gcagtctcaa ttttctcctt ttcattcgac tccaacttgt 360
 ccgcgagctt gtccttgtca ctgacctgat tcttcattgt gtatacgtag gtttcaagac 420
 tgttgcgagc atcgatcctc tccttcacct tcttgtcttc ctcggaacac tcttctgctt 480

cacgaaccat tctatctatt tcttcctggc taagacgtcc cttttcg

527

<210> 10258
<211> 559
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220114a02a1

<400> 10258

cgcgctatca ctgattagaa cctaattgaa caccaatatt gtaggagttg tgtactaaag 60
tccgggttaa gaatatgtag ttcaagacaa tcaagtcact acatttttct cggatgaaag 120
ttcataaaca ctaggtataa ggttcaaacc cgaaagggtc cttataccga aatacaatat 180
cacatgttct ttctcttatt ttttatacaa attatctttc ggaaaatata ttttaaaatt 240
ttaaattatg tgggggaatg ttggtaaata tttgtgtttt aatttaaaat ttataaatat 300
atattaattc catcttataa aataaaatat ttattttaga ttttcttaag attttgtttt 360
aatgagtcaa actagtttgt tagatttggt ttgacaacta taagttagtt tccaacggtc 420
atattttggt tgttgcttag ggtgatctgt gcctatatat tatctttcat tattttctaaa 480
aagatgacag aacaacagtc tcactctttt ctcccaaaat tttctatttc ttctcttata 540
aaaataatta tttcttgag 559

<210> 10259
<211> 559
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220114a02d1

<400> 10259

gaaggagcaa ctacaaacat cacaaggata atacctaatt ttggcggtgt aacacgaatc 60
acatgatcat aattccaaag aaatttgaga tctaggtgaa ttagttgata actcttgga 120
ctttacatag tgatcagtag aataatactc aaatccaagt tcgtttggtc acttttaatg 180
acaacatact gataaagaac ctgtcaggta atctacatgt ctctctcct gtacaattcc 240
atccaccttc agtttctgca ggtaaaatac aagcaattct tccctcacca aaagagaaac 300
tcaaatgaca attttgtatt gaagccagct atacaactcg aacctatgtt ccaccacaca 360

0953113-032200

ttggacatcc ataagcccag cggctgatcc accaaatctc cgggtcattt tgactgggaa 420
 gattggtgga agctggtgag gcaaaagcac aagtctgccg cagacatctt atacactgta 480
 tcaaacagaa gttaaagga gaatgagaaa agtaaataat atttacatgc aagcagataa 540
 tgaaattaaa aggtcagga 559

<210> 10260
 <211> 296
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220114a03a1

<400> 10260

tttccatctt ttaactcaca tctccctcct gccacagata gattacatct ggatgttggg 60
 cacaattggc ataactactt ctgccacca tttgttccca cattacagca ggcaagaaat 120
 cctcctattg aagggtgggtg caaccaatc ctgtctcgtc ctattcctat gagattggac 180
 tggccccag tttttcgtgg tggcatgacc ccacaccaa actataacta tgactatggt 240
 tgtatatcta ggaagcaatg taccttttta aaaggattgg ttgttcacaa catgca 296

<210> 10261
 <211> 523
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220114a03d1

<400> 10261

gtaaagctag aagaatttat tactgtcgaa atctcaccat aacttacaaa gaagccctat 60
 ggtgaggatc accttagaac gttcaacagg atctaattgtg ctcttaactt aattcatttt 120
 ccacatataa ttgcttagct ttgtcaactt ctgagaactt ctggaaagtt atacaattat 180
 ttctctaact tcaatcttta caaaacatgt tatacccaa ttatttgatg caactagaac 240
 ggtttatcac atcatatttt ctcaagcgat caagtcacac caacttggtc tacagttgct 300
 ttacagttcc attctatcta tgcagccgaa aacactcttt ctgatatag ggagggttta 360
 caagtacaaa gcctctactc cattagtga taagttgtct ccgaaatgtg aacctgactt 420
 tgctgttctt tatgcgacaa agacgactca tgactactgt gcattaaatt accatctttg 480

cctagttttg catcagcaat ggttgacaga actccggatc agt

523

<210> 10262
<211> 315
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220114a04a1

<400> 10262

agtgaatgaa ccatgccctc atcagaattg cacttttggc gggatatgga acggtggagg 60
ggggagtgga caaaaagtcc tttatgttac tacatcttcc tattatctgg ttatacaggc 120
tggtatagcc gatgcaagta aaaccagttc caaagtttat cctgcggaat tcaaggccgc 180
agctaagcga gcgtgtcaag tcaaatttga ggatgctcaa tccacttacc cacttatgat 240
ggaagatgca ctttcataca ttgcatgat attacgtacc agtatacgtt gctcgtcgat 300
ggatttggcc tggat 315

<210> 10263
<211> 540
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220114a06a1

<400> 10263

atcattttta tcacgcgcac atcagcaca cacaacaatt cactaagcta aaatcacttc 60
atcatggctt cctcgtgtgc ttcctctgcc attgcagctg ttgccatctc cacaccaagt 120
tcccagaaga atggatcact cttgggaagc aaaaagctt cttttcttag tgggaggaaa 180
ctgaaggatga acaactttac agcaccagtt ggagcacgat ccagcactac agtttgcgca 240
gttgctgagc ctgataggcc tctgtggttc ccaggcagca cccctcctcc atggctagat 300
ggcagtttgc caggagattt tggctttgat cctctaggtc ttgcatctga tcttgagagc 360
ctgagatgga atgtccaagc agagcttgtg cactgcagat gggccatgtt gggagctgct 420
ggcattttca tcccagaatt cctcacaag attggtatcc tgaacacccc ttcatggtac 480
actgctggag agttggagta ctttacagac accaccacac tcttcatagt tgagctcttt 540

002220114a06a1

<210> 10264
 <211> 405
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114a06d1

<400> 10264

aaaaaagggc cctttaaaat ccccggggct tggtcccaa aaaaattggg gcgggtttat 60
 catccatgga aaaacgggga ttacttctg aatttacatt aaaggccttt aaaccttaaa 120
 aagggttttg gccattgaat cttcaatttt tgcctgacaa taaaaggagc ccttttacia 180
 gggtttacca acataaaccc tcccaccta aaccttttaa gggttacaac ttagttaaaa 240
 aggggttgcca atgggtttcc aagggttgga aacatagagg gggtccaaca cttttcactt 300
 gggggggaaa gccccaaaa tagttccatg ggccggatct gcaaggggac caaaaagggt 360
 gcgaatagga cccgggcccg ggtaaattgg ctggaaccat gcccc 405

<210> 10265
 <211> 478
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114a07a1

<400> 10265

ctgccatccg tgctgatcct tctctcaaga aatctgagaa gcagcccccg aaggaacaca 60
 agaggtacaa tctgaagaaa ctacttatg aggagaggaa ggctaagttg attgctcgtg 120
 tggcggctat caactctgct gctgataatg atgaagatga tgagtgaag ttcattgcag 180
 attccatgtc atcgttgac aactaaaact ctcttatttt gcgttcagtc aatcatttta 240
 ttacatgtg ctgtttattt tctaggtcca aaattttgga tactttttga agttgagtaa 300
 gccgtatttt tggtaaatct cgtgtcaaca tgaattgatg tcttacctta ttttatgata 360
 tacgctttgt ttctagcacg aagttgttta gtttaacgaa ctgtgcttgt ttttttttc 420
 gacaatgaaa gaatgtacca cttaatttg ttaggttaaa tttaatccag atttactt 478

<210> 10266
 <211> 475
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220114a07d1

<400> 10266

aagtaaatct tgattaaatt taacctaaca aattaaagtg gtacattctt tcattgtcga 60
 aaaaaaaaaac aagcacagtt cgttaaacta aacaacttcc tgctagaaac aaagcgtata 120
 tcataaaata aggtaagaca tcaattcatg ttgacacgaa attgaccaa aatacggctt 180
 actcaacttc aaaaagtatc caaaatcttg gacctagaaa ataaacagca catgtaaata 240
 aatgattga ctgaacgcaa aataagagag ttttagttgt gcaacgatga catggaatct 300
 gcaatgaact ttcactcatc atcttcatca ttatcagcag cagagttgat agccgccaca 360
 cgagcattca acttagcctt cctctcctat aggggagttt ttaaagatg gccctttggg 420
 gtccttcggg ggctggttct cagatctttg agagaagtac caccgccgat ggcag 475

<210> 10267

<211> 478

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220114a08a1

<400> 10267

caaagaaggc gtcttcataa acgcctttct tctccgtttc cgtttcctcg ttcgaattcg 60
 ctttttgatc tgcgaaaatg agagagtgc tctcgatcca cattggtcag gctggatatc 120
 aggtcggaaa tgcttgctgg gagcgctact gcctcgagca cggcatcggg cccgatgggc 180
 aaatgccaaag tgacaagaca gttggcggtg gtgatgatgc tttcaatact ttcttcagcg 240
 agactggtgc tggaaagcac gtgccacgtg cagtgtttgt agatcttgag cccactgtta 300
 ttgatgaggt gagaaccgga acttaccgcc agcttttcca cccagagcag ctcatcagcg 360
 gcaaagaaga tgccgccaac aactttgcc gtggccatta taccattggg aaagagaatg 420
 ttgatctgtg cttggaccgc atcagaaagc ttgttgacaa ttgcactgga ctccaagg 478

<210> 10268

<211> 532

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220114a08d1

<400> 10268

gaagcataaa agcaatgcat ccaaattaa accacatcgg tactggtaca catctgaaca 60
 tcaaacacaa cagaaaacag accacaagaa caagaatctg aagtagattc tagtagtctt 120
 catcctcttc ctggccctca ccagactcag caccacttc ttcataatcc ttctcaaggg 180
 ctgcaaggct ctcacgggct tcagaaaatt caccttcttc cataccctca cccacgtacc 240
 agtggacaaa agcacgcttg gcatacatga gatcaaactt gtgatcaatg cggccaaaca 300
 cttcagccac actggtggag tttgaaatca tgcaaactgc cctctgcacc ttggcaagggt 360
 cgcctccagg aacaacggta ggtggctggt agttaatacc acacttgaaa ccagtagggc 420
 accaatccac aaactgaatg gtctcttgg tcttgatggt ggcaacagca gcgtttacat 480
 ctttgggcac aacattacca cggtagatca ggcaacacgc catgtacttt cc 532

<210> 10269

<211> 547

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220114a10a1

<400> 10269

cttataacta ggtatttatt ttctcatatg ctcttcttaa acttctcttt ggtagtgtgt 60
 tcacatacat atctacttat tggtattatt attgtcacca catacaataa tgggttccat 120
 tagtaacacc gaggttcata atcatcacia tgatgatgac gacgatgac atcgatcatg 180
 ggtgaatttc tcgatccaga gaggatttgg gacaaaattg aaggaggcat tgaaggaaac 240
 attgtttccg gatgatccct tcaggcagtt caagaacgag gagaagccaa tggggagggt 300
 gatgaaaggg gtgcaatact tcatcccaat ctttgagtgg ctccccactt acaattttcg 360
 cctcttttgc tctgacttga tcgctggact aacctctca agccttgcca tccctcaagg 420
 cattagctat gccaaacttg ctgaccttnc tccccctatt ggcctttatt ccagctttgt 480
 cccacctttg atctatgctg cttttgggag ttcaaggcac atggccaatg ggacgatagc 540
 agcagca 547

<210> 10270

<211> 544
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220114a10d1

<400> 10270

gggaaaagtt ttttttttat tagcgaatat tttctcaatt ccacagatat atagttgtat 60
 aataatacta ttctataata caacattgat gtgggcaacc gaaaggctaa ttaattaact 120
 acttaggcat gaatttcttc ttgaacaagc ttttgagcac tatttgcaac ctctgatgaa 180
 cgaagtgtat attgacttgc catcactgca tcatccaata ttagataaaa cgactccttc 240
 ccaattttct gaacaaactt gggattata agctactgca tgaccttcag ccatgggttt 300
 acgaacaaaa ccttaactcc atactttccc aatattgtaa ttaactcggg caatgcttga 360
 atagcagacg tggcaaggtc tgacactcct gacaaattaa gtatgatgtg ctcaactaca 420
 tctacagtag agctttgctc acttcgaata taccttataa tcctatcttt gacggataat 480
 agaatttgca gagtaaacgg gagaaccaag ttgtacaaca agaaactctg ggtatgacga 540
 taca 544

<210> 10271
 <211> 542
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220114a11d1

<400> 10271

accggttcaa ccacaggaac cgtgtttttt ggcaaaatth cataacaaaa ccgatatttt 60
 gaacattggt ctacataatg aaccaaacac caaacacag acggtaacga atgctactta 120
 aaaataaaaa aaataaataa ataaaaataa aaagaagcat gcaagtattt ttatcttaca 180
 agaacaattt gattgaactc atacaaacct tcaaaagaaa ccagtaaaac ccatatgctt 240
 gcacagttag aaactactga gaaattacta tttgaagata atccaaactg attgccattg 300
 acaccatacc cagcctaaaa ccaacccaaa catggcgaag atcgacattc gataaaagac 360
 actggccttg gcaacttcct tgagcaaaca agtggagctc tttctttctg atgttacaaa 420
 gattaacaac taagataact tggctttcaa tggacccaat gggatcttac tcaagacctt 480

<210> 10274
 <211> 407
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114b01a1

<400> 10274

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gggacctacg cgtgcgacgt gtgcggcgta tcgtgcacgg gtgaaggcga ggccatcata   60
cgtggcacgc tggcgcggtga ggtggcagcg gtgatggaat acaaaggctt gaagcttcaa  120
gaagccgtgg attttgtgat caagcaccgt ctcgatgaag ggatggctgg tctcattgct  180
gtgtccaacg ctggggaagt ggcttatggt ttcaattgca atggcatgtt taggggctgt  240
gccactgaaa atggcttcat ggaggtcgga atctgggaat agcttcatta ttttccttca  300
tggttgtttc gatgcaactt ttggatttct gtaccatgtt ccactgtagt gtagggctct  360
tctgctgggtg cccgatttag ataaaaaatg gtaaccttgt ttctaag                407

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<210> 10275
 <211> 379
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220114b01d1

<400> 10275

```

gaaccatcct atcattatat ttataagcca catgatggga tttaatatta tttacattcg   60
cacatattac caattattat gaatcttaac cacggctaaa ccactacagc aaactgtaac  120
gcatacaaaa attggtgagt tcaaaatggt cgacaaatga aaacagcccc ttcacttgca  180
gatactttac ggaggcatgc aaaattaact gtattgaatt cataaggtgt aaacaggagt  240
atgtgattgt gctccccatt cagatcaaga tgcatacataa actggctcat tagactttct  300
aagacgatga agaccattg caagaatgca ngcagttacg cctgctccac atgaagtcac  360
agctgggctt tccagagag                379

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<210> 10276
 <211> 414
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114b02a1

<400> 10276

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cgctacctaa tttgttcctg tctgtgaca aacaccaaca ctggctcact cttttcttct 60
aactgcgacc acatgcagac ctgataagca ctctcgcat tcccaactct ctcacaccgc 120
ccaaatatcc tctcttctca ctctctctct ctctctccat ttgttttcgt tttctttctc 180
gtgaggaatt tgcaatctcc cagaaaccct atccactgat ttttttccca tcaaactcga 240
tactcaattc gattaaacgg agctagggtc ttgactctcc cgaaccgctg acataaatct 300
cggttcctgc ccttcaata tccctctcct ttgccaccga ataaatgttc ctgtttaggt 360
tttgatttgg gactaacccc aaggatgtat gctgattcgg ttggaaagtg gaac - 414
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<210> 10277

<211> 575

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220114b02d1

<400> 10277

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ccaatatcac aattgttggc cttcttctgc aggccaatgg attatcactt gcctggtctg 60
cgccagccaa taggcaatgc atcacatcca tggaatttca catccccaat gggcaattct 120
atttctacct tttggacaaa acaaattcag agttcaagca attccttcta catgcctagt 180
tcgaactaga gcctgcagca caagaagctt ttgtgttatt gtctctcaaa agaccgtccc 240
cttcattgcc tgggtgttaaa gtttgaccat tatattcctg aactgaacca tcctctatat 300
tactgggggc agaattgcta ttgcttctat tattgtcgct ggtctccagg cgttccatca 360
tgcgtagacac agttgcaatc cctgcattaa cttctcgctt aacttcagat ccaaggtcag 420
acatagtgtt gttccgagag aaccatctct ccttccaccc tcttgtgctc ttggaaattg 480
actccttgta tcttgttgat acagcattca gtttagattt cagagattct gaaaatgaat 540
gtaatctgat ggccctgctc tgtcttgact acttg 575
```

<210> 10278

<211> 573

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220114b03a1

<400> 10278

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ggacgacggt gttgcggaac ctgaaattca cgcgctgatt tcagacgaag agcagcagca   60
cgatcacgat cagcagcatg agcatgagca tgaccatgac ctcgagcacg atcacgagca  120
tgagcatgac caccacgagg accgcgatga tcacgccgcc gtggcagctg tctccttgga  180
agatctcaaa ctcaagatca ttaagcaggt ggagtattat ttcagcgatg aaaatctgcc  240
cactgacaag tatctgttgg gttttgtcaa gaggaacaag gaagggtttg ttcctgtatc  300
agtaattgct tcttttagaa aaataaagaa gctcacgcga gaccatgcat ttattgttgc  360
tgcatgaagg agtcttcact gcttgttgtt aggggtgacg ggaaaagggt caagcgggtt  420
aaccactttt gttttaatgg atctagagat cataagagaa tttgccagag gatcattcaa  480
gggagaacat tcaacaataa ttgcatgaag ctgggaatat aaagaggata accattcatg  540
atccacattc tacttcagag tctacaagac aca                               573

```

<210> 10279

<211> 555

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220114b04d1

<400> 10279

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atatataatg ggcattcatg gttgatgata ttaaattgat gtttcaatat tgatagcaca   60
caaatggatc tggaccataa aacctatata tagcactaac atttatttta ggaccacaag  120
gcaagagata cttacatatt aaaattgatt acatgcccta attatatctc gcataccttt  180
tcaattatgt ccctctcgag ctacaataag ttcttctaag ttatcagcat caccagtgtc  240
tatagggagc atgatctcat cctcaattgt gaaattgtaa ttaatcccaa tggcttttag  300
aaactggtat acttcaaaca tggtaggcct ctcctttggc attgctgtaa cacagttgct  360
tgcaaccttc agaaattgga aaagctcctg gtctacaccc ttcccaacta gtgattcatc  420
aatgacttca tggagttttg cattgctaga ttgctgttga atccactcta ccaaattttc  480
tttaaaagtt tctggagctt tagccacatg ggtaggtctt tcacctgtca ccaattcaag  540
aagcacggtc ccgaa                               555

```

<210> 10280
 <211> 372
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114b05a1

<400> 10280

caaaatttga ttgatccctc attaatacaa atctgcagct caaattttct aattaatggc 60
 cagatctctt aattgagaac aggatataac gttgcttgat ttgctatact aacactatgt 120
 cattaacca ttgttgcaat tgcccttggg acaaaacctg tcatttgtac gtagtagaaa 180
 ccactgcctt acaatggaaa acgtacgcta cttgcacact cctgtttaca acttagtctt 240
 gcaggatgatc gctaagaaac ctcgtttaac ttctgaaacc ttccactatt cgactatgga 300
 agcatttttg ctctaaaact cctgtttcta gccggcgaag gctctcatta taaccataca 360
 gacctaaaat ta 372

<210> 10281
 <211> 412
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114b06a1

<400> 10281

agcgaatatg cgtggagcga aataggaaga ttcttgcgta agcagcatct tcctctctct 60
 tattctattc ccttattttc cctttttgtt tcttatttct caaaattcaa agaacctgaa 120
 atcaaccaca accttctcct atatataata cacacttctg cattgctatt ccttctcagc 180
 attctcctta gcctcaggca gcattgttgg ctagcactta acactttcca accaatcagt 240
 accagcaact tcttgctggc actcaagttg tgctgcatct tctgtggggg atgacatgac 300
 tcaaaacagc atactgaatc acagtagagc tcttgagggt gtccatgggg cccaagtgga 360
 ccctaactcg ccatttgatt tgacagaaac taatcaaagt ggggactttc gt 412

<210> 10282
 <211> 566
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114b06d1

<400> 10282

catgatataa tatatttcca atcttcagaa aatcccatca cacttcaaac taaaaagtca 60
 agagtctcca tagtatctca acatacatgt tcagatagaa ttataatgca cgatgtttta 120
 tatataactg catgtttatc taaggagaag aataggtgcc agatttttgc tgcataaacc 180
 gctttctcca atgagtttaa ctaatgaaca taaaactaca aattgaagag gggtagaata 240
 atttgaacc taatttgcac atctacatcc tcaaccgaat ccaataaaat acaatgtact 300
 accttatgat cttaccatt gcttctacaa attaagtcga cagattatgc tgatgctatt 360
 cttactcaga atgcatagtt tccagcttcc gaatagagtg tgcacaccta ctcaagaagc 420
 ttattgcagg tgctacacc aacagcagca gcaagatgcc atgcagcatg aaggtaagga 480
 gttttaggaa ataaatcatc agctacaaaa agcataccac caagtaacga cgatgtctta 540
 tgcactgtgt gagccattct caagtc 566

<210> 10283

<211> 534

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220114b07a1

<400> 10283

caaaaaaaaaa aaaaaaaaaa aatccgcgat tcgctcttct cttggaaaag tgaaaaccag 60
 aagtacgaac gaaagagaag agcgatttag aagtgagaga agatgggggt gtcgttcacg 120
 aagctgttca gcaggttggt tgcaagaag gaaatgagga ttctgatggt aggtctcgat 180
 gctgctggta agacaaccat cttgtacaag ctcaagcttg gagaaatcgt caccactatc 240
 cccaccatcg gatttaatgt tgagactgtg gactacaaga acatcagctt cactgtgtgg 300
 gatgttggtg gtcaggacaa gatccgtcca ctgtggaggc attattttca gaacactcag 360
 ggtctcattt ttgtggttga tagcaatgat agagatcgag tggttgaggc aagggatgag 420
 ctgcacagaa tggtgaatga ggatgaactt agagatgctg gtttgcttgt ttttgccaac 480
 aagcaagatc ttcctaagtc aatgaatgct gcagaataac tgacaagctt ggac 534

<210> 10284
 <211> 456
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114b07d1

<400> 10284

actcatggaa atatattcaa tcaaaaatca aacaaacaag atgtaagcaa cacagcacgc 60
 acgcacaaga ggggtgcaaga gttccaatta tagctaaaag tattagctaa ttttaagcaat 120
 catacaaacc caagttacac aaaagagaat acttcttagca agcattctgc tattacaaca 180
 ttcgctagaa aagataagca tctttctcca agaaccgccca gactcgcatg aaatcaccag 240
 acaagaccaa aatttttcaa atgtctcatg ctttgctggc aatggttgta gaaagccagt 300
 ccaaaccctc atagagacc cctccagaag ttgcacaagt gctctggata taccagtggc 360
 gttgacggag tgaatgaagt ccaagcttgt cagttatttc tgcagcattc attgcattag 420
 gaagatcttg cttgttgcaa aaacaagcaa aacagc 456

<210> 10285
 <211> 511
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220114b08a1

<400> 10285

gccgcaggag gagaaggccg aggaagacag atccaaggtc gatgatctcc gaggctctcc 60
 catgagcgtc ggaaacctcg aagagctcat cgacgagaat cacgctattg tctcctctc 120
 cgttgggcct gagtactatg tcggaatcct gtctttcggt gataaggatc agttggagcc 180
 tggttgtgct attttgatgc ataataagggt tcttttctgt ggttgggctt cttcaagatg 240
 aagttgatcc aatggtctct gtcataagg ttgagaaggc tcctctggaa tcttatgctg 300
 acattgggtg tttagatgcc caatacagg aaattaaaga agcagttgag ctaccctga 360
 cgcacctga actatatgaa gacattggta tcaagcctcc taaggggggc attttatatg 420
 gagaacctgg aactgggtag acattgcttg cgaaggctgt ggcanactca acatcagcaa 480
 cattcttgcg tgttggtggt agtgaactga t 511

<210> 10286
 <211> 503
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114b08d1

<400> 10286

caaggatatt gaaagaaaac tatattgaat taaaatcggt gttgagattc aaagccccta 60
 aaatacaact gacatttggt cgcagaatac aaatgaattg gcatttggtc gcataactag 120
 aacgttaaaa gaaagacaag agggccagag ataatagagg atagtttttc acatatacag 180
 cccttcaggg accccttctt tcttcttaaa catcacttta tccttggcct tcttaaagtc 240
 ggcatgagtc accttcattc gacgttctcg tagagcaagt aaaccagctt cagtacatat 300
 tgcctttata tcagctccgg agaattcgtc ttagtcata acaaattctt ccaagttgac 360
 atcatcagct aatgtcatcc ttgacgtgtg tatctggaag atgcgtctcc ttgttttgat 420
 atcaggaaga ggaaattcta tcttctgtc aattcgacca ggtagtagca aagcttgata 480
 aagactttca attctgttgg ttg 503

<210> 10287
 <211> 514
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114b09a1

<400> 10287

gaacagtgtc gtgagaacct accctcaaata acccggtgga gatccacggt gttatcctag 60
 caccggttcc gcagttttgc ttcctcttcg agaacctaat gtggaggctg aggttctgat 120
 ttgtggtgga gcccagagag gggcttttcg gaatactctc tcgggtaagt ttgttgagac 180
 gttgagaact tgcgctcgga ttaaaataac cgacccgaaa gcgaattggg tgatggaaac 240
 catgccgggt gcgagagtta tgagtgcacat ggttttactc cccaacggcg acgttttgat 300
 tgtaaatgga gcagctgtgg ggactgcggg ctgggaattg agccgtaacc cgggtgttaa 360
 cccgtttctt tataaaccca acaagcgggt cgggatgaga tttgaggtcc agaaccgctc 420
 tcatattccg aggatgtacc actccggtgc cgttttgctt cgcgatgggc gagttcttct 480

cgctgggagc aacccttaca cgtattacaa tttc

514

<210> 10288
<211> 553
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220114b09d1

<400> 10288

acatttctga ccaaacacaa tgttaagaat tgcaaagaaa tatccatgaa ctataattac 60
aaacttccta ggggtattatt tacacgcccc ataggccata aatggcttta tttgaatttt 120
atcttcccat atcttacagt ttaaatactc actcaagaat ctgttcactc ccagacattc 180
acaacattaa ataactggaa taaaagacc tttccacac caattttggc aaccaggcaa 240
agccgagaat tcccattttt cccacctatc tggacccaaa taccgtggct tggaaacttc 300
ttgatggacc acaaacagca tatagaacct cggcgcgcca gatcaagggg aagccggccc 360
ggtaacttca acctcgtgcg ttgattctcc aacccactc aaatggcgcg gcttcagcac 420
caacagcctc tgattcatgg agaacgagtg cgtgttaa atggcgcgcca gcatggtaac 480
agacaccgaa tccccaacca aagtcgcgct caccttaaac cgaagcctca acgtctgacc 540
gtacttgagt ttt 553

<210> 10289
<211> 553
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220114b10a1

<400> 10289

aaaacaagcg ccgcaacccc gccgccgagc agtcctctc ctccctcatc accgctgacg 60
acaccgtctt ccgctacctc tgccccgtcc gcaagatcgg cagcgtcatt ggccgcggcg 120
gcgacatcgt caagcagctc cgcgccgaca ccaaggccaa gattcgcac ggtgacgcgc 180
taccgggtg cgacgagcgc gttgtcacca tccacagttc ctccgaggag accaaccatt 240
tcgacgagac cgatgatctc gtctcgccc cgcaggacgc gctttttagg gttcaccagc 300
gcgtgattgc ggaggacgca cgtgaggatg aggacgagga gaggaatcat gtgactgcga 360

002220114b09d1

agcttctcgt gccgtccgat cagatcggat gcgtcattgg aaaaggcggc cccatcgtgc 420
 agaatatacg gagcgaaacc ggcgcgcaga ttcggatcct taaggatgat cgcttgccctc 480
 ctgcgcgtta agcaccgatg aacttggtca gatatctggt gaggctgcgg gtgtgaagaa 540
 agctctgttt caa 553

<210> 10290
 <211> 515
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114b10d1

<400> 10290

ggtaccacca tgcttttgta ttatgacaaa catcagatat tctctatact aatcatgctc 60
 aagacaaggg aaaaaaaaaa cttttcaacg ggatccatca tccatcacca gacccaaatc 120
 tacttcattt gatttagaaa attcctgtta ggcacatttg cttctgcaca tcggtgcatc 180
 gtaaatgacc taaggaggagg agcttacctg tttcatacct gaaatgacct ggcaaaatga 240
 gttacaaata aggggtgattc agctgcagca ttcaattaaa gctacagacc aaaagtgcgc 300
 taaaagaaaa tacataccac acgtcacctg atttcaatta tccacgttaa ctcaaaatat 360
 tgcttgattt ccaaaatccc agggatcatc aaaatggcat atgttagcat ttcattcttc 420
 ctttttttat tgaactgcct aaatacaata caaaactaac atctaataaa agaaatccat 480
 gtccctcaag cctcctgttc attacagcta gaatt 515

<210> 10291
 <211> 391
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114b11d1

<400> 10291

aaggaaaaag ggcccaaat ttataaaacc ccccaaagaa aaacccccca agggaaaccc 60
 ctaaaaaaaaa ttggggcccc ccaaaggaaa ccacaaaaag ggaaactggg gccccaattt 120
 aaacccttt taaacccaaa aaaaaaaaaag gagccacca aaatgtggaa aggggaagga 180
 acccccgaaa ggaaccccg ggattaagaa cctaaaaggg cccgttttcc cccttggggc 240

ccccaaagaa aaccccccat ggggccccaa agacccccaa aagggggtaa cccgcctaa 300
 aaaaagttcc cccccgggg gggttgga aaacccgctt tgggggggaa agaacttggg 360
 gaaccccgaa aaataaattc tcccctgggg g 391

<210> 10292
 <211> 285
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220114b12a1
 <400> 10292

accgcggtgg gctccagctt tgtcccttta gcgagggttt attgcgcgct agaaaaaaca 60
 tgacataccg gaaaaaaca ggaggtggtt gcatagcttt ggaatttccc aatgaaacgc 120
 tcaagtatgg tcgtccttgt catggggctt tctggagagg atcatgtgcc ttggcgagaa 180
 aatgccagag tgacccctt tgggcaaata atccgggggc ttgaagagca tttcatgaac 240
 atccacggtc cccttgggcg cgattcccaa agcggggaga acagt 285

<210> 10293
 <211> 544
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220114b12d1
 <400> 10293

aaaatatata tattaatcac aacctttttc ttttggcaaa taaggtttcc ggaatggtgt 60
 gccaaattcg tatacaaca gcatttctct attaatat tt gcgtgtttgt gcttgctgca 120
 tatcttctat ccaacaccat ttaccaatat catccagggt tatgttgtga atgcaatgca 180
 tggaagagag gagcgaacac taccaactgc atattccaca attcatgttg taaaaacct 240
 ataccaactt ggattacggt taggaatgat ccttagccac gctattccat tggggaagg 300
 ctttcttcaa ttctgatgtc actactatgc tcgctgccta gcatgattgc cattagcata 360
 agtttgcttg caactggaaa atccttgtgc tgcataata ttgtttcaac tgaactaccc 420
 atatcccca aaatagaagt ctocatgttt tcttgtctca aggaaaatac ttggccaaac 480
 ctttcttcaa atgttcactt tgagggtccat aacacctact tgaagccttg aaagtatagt 540

at

544

<210> 10294
 <211> 569
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114c01a1

<400> 10294

cacatcccta gctctgtcgt tccgtcgttg acgatggcgt ttcgggtgcg aagccctgac 60
 ctccgctctc tctttcttct ctctctcttg tccatcgctt ccgccaatgt cttcttcgaa 120
 gagcgtttcg atgacgggtg ggaaaatcga tgggttaaata cagattggaa aaaagatgag 180
 aacgtggctg gggagtggaa ccacacctct ggtcaatgga atggagacgc taatgacaaa 240
 ggtattcaaa ccagtgagga ttacagattc tatgctatct cagctgagta ccctgaattc 300
 agcaacaagg gtaagacact agtctttcaa ttttctgtta agcacgaaca gaagcttgac 360
 tgtgggtggtg gctacatgaa gatgctcagt ggggatgttg atcagaagaa atttggcggg 420
 gatactcctt acagtattat gtttggcca gatatctgcg gttacagtac caagaaagtt 480
 cacgctatct ttacctaca taacacaaac cacttgataa agaaagatgt ccttgtgaga 540
 ctgaccactt actcatgtta cacatttat 569

<210> 10295
 <211> 235
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114c01d1

<400> 10295

gctcgctaga aaaaaaatg agagtacctg aaagaaacaa ggaggtggtt gctatagctt 60
 tggaatttcc caatgaaacg ctcaagtatg gtcgtccttg tcatggggct ttctggagag 120
 gatcatgtgc ctttgtgaga aaatgccaca gtgacccctt ttgggtaaat aatcaggggt 180
 cttgaagagc atttaatgaa catccacggt ccccttgggc gcgatttcca aagcg 235

<210> 10296
 <211> 609
 <212> DNA

<213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220114c02a1

<400> 10296

cctggagctc tgttaatggg tgatgctttc aacatgcgtc atcctttgac tggaggagga 60
 atgacagtgg cactgtctga tattgtttgt ctgcggaatc ttctaaagcc aatttgtgac 120
 ctgaatgatg caacctcatt atgcagacat cttgaatcct ttacatcctt acgcaagcct 180
 atggcatcca ccataaatac tttggcaggt gccctatata aggtcttttc gacttcaccc 240
 aatgaagcta gaaaggaact gcgccaagca tgttttgact acttgagcct tggacatttt 300
 ttttcaagtg gacccatcgc tctactctct ggtctaaacc ctgcccgcgt gaatttaatt 360
 ctccattttt ttgctgttgc attatatggg gttggcccggt tgctcttacc atttccttca 420
 ttgaacgtac ttggattgga gctaaatagt nttgtgtgca tttggcataa tatttcccat 480
 catcaagggg gaaggagtaa ggcaaagtgt tttcccaca tccataccgg cattntatag 540
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 ttcaattaa 609

<210> 10297
 <211> 519
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114c02d1

<400> 10297

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 cctgcattga gagcataata acaactaaaa cctaaattgt tcaatgctat agtgagttcg 120
 gagtttccat aatccaacca cccaccaag ccattattct aaaacacctt cccaagatc 180
 tattacatgc ttcagagtaa agagcacaga aacaatgtac aagaaaaaaa aatgtaaaga 240
 aaaagaaaat atttaactta tgggaaggaa agttcaaggc catggcctga cataaataaa 300
 atagaatcac ttctaccca acctactaa atgctgctga tgctttgctt ccgccgcctt 360
 gtcagcagct tcccttttct gtgccctctt tgcccttctg cctgtgataa ttttcccagc 420
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[illegible]

<210>	10298
<211>	126
<212>	DNA
<213>	Glycine max

<400>	10298
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<210>	10299
<211>	397
<212>	DNA
<213>	Glycine max

<400>	10299
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ccatttttggg gggggggaaa aaaaacgggg gggcggggcc cccccccccc cgcggggggg 240

aaaggccggg ggggggaaca gggggggggg aaacaaaccc ccccaaaaag ggggaacggc 360

<210>	10300
<211>	598
<212>	DNA
<213>	Glycine max

<400> 10300

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 agggcaactc gcacgtgcaa tggatgaaag tgtgcaacgt ctttgacgcc tattgtcgcc 180
 acgtcactgc tgcattggtc ctctccctct tcggctccac cgtctttctc ttgctcgtgc 240
 tcctttctgt tctcaaactc cattacagaa caagaagcta gatctcaata tgatacacac 300
 tataatatat atattggtag tgtaattaa ttaattaagg gtgtgaatcg tatttttggc 360
 ttagacctag cttgcactta ttgttgtgtt tgatgaagaa cgccaaagca cttaaagata 420
 tagatatgcc ccaagtagtg attaaattga atgtgggtcg tttgtagtaa atatacttta 480
 gcagatggta ggtcgattta ttnagagag cagtaacagg taaattaata tagctagcta 540
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<210> 10301
 <211> 557
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220114c04d1
 <400> 10301

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 tcatcgaagg attctaaggt ttattttggt gtataaacat tagcattaac tccccaaagag 180
 gactacataa aaattgtatg catgctagta tgctactgaa acataaagaa aaatcatcga 240
 aggattctaa ggtttatttt gttgtataaa cattagcatt aactccccat gtttccccct 300
 ctgagcagaa taaaaagtca gcaaactccg gaattcagtt ctgcatcttt ctcaaaaata 360
 tcccacccat catcaagaag agcattgtga tcagctttgg atttttctc gtcatgccca 420
 atcttggaag aaaggctttc aattgagggt gtccagcttg tcttacgtat tccagatgac 480
 tcactatggt cagaaccgc atcagatgcc aatgttttgt gggaagaacc tgatgaagct 540
 aacttgcaac tagtctg 557

<210> 10302
 <211> 489
 <212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220114c05a1

<400> 10302

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acgaacccca tgccacacga cgtcgtcaga tcctctccaa ataccctcaa atcaaacaac 120
tctttggccc cgaccactct gctttcttca agattagtgg agttgttctg cttcagcttg 180
gtacgggtgc tttacttcat gatgctggct ggctgaagat attttttagta gcataactttt 240
ttggttcttt tctcaaccac aatctctttt tggctatcca cgagttgagt cacaacctgg 300
ccttctcaac ccagctctac aaccgttggg tggggatttt tgctaacctc cctataggtg 360
tgcccatgtc tgttaccttg caaaagtatc acttgagca ccaccgctta caaggtgtag 420
atggcattga tatggatgtc cctagcctca ctgaagtccg tcttggtgaaa aatattattg 480
cagaaacca 489

<210> 10303

<211> 446

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220114c05d1

<400> 10303

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gcaacgcttc tttccaaaac aaatactagt gccacaaagt aagcaaaaat aagggaaaaa 120
tatagagtgg ggaaagcaca cacaactaga gaaaccattc cattcacagt cttcaggcag 180
cgaacggggg gaaacgcgga acaggcttgc acttgagggg gttggccaaa aacacagtca 240
ccctcccttc ctcagacatg tgaacatgat gggttttacc atcattaacg atccagtcga 300
agcactggat caaactcgct agcgttgctt gcatgacaag caacgctagc gaggggccgg 360
ggcagcttct tttccgctc ccaaagggca ggagctgata gtactgcccc ctcacgtcaa 420
tcttgctttt gcccggtcgc tcggaa 446

<210> 10304

<211> 431

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220114c06a1

<400> 10304

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gcgcaccaga caaagaaaca aaatcaatca tctccttgaa ctgcagtgcc tagcagtcta 120
gagccagtag tgggtggaana acataaagga gtcaatgatt cagctcatgt tactgtaaca 180
aaaatgttgg ccaatgtgga acgtacaagt gcaccacgtg tgcattgctaa gccatctaag 240
gttcagaatc tggatgccaa gaatcatatt gagaaacatg ggggtgaacaa tagtccatat 300
acttactctg ccactaccaa atcctctaca gtaaatgcgc ttgaaaccag aaaggcccg 360
aggaacctca aaccttgac gtgtatatgg gagacatgcc ccgcgtatca agcagatgga 420
gtgcttcact a 431

<210> 10305

<211> 356

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220114c06d1

<400> 10305

gtcattacac ttcaactat aaagtcagga gtgcccata gaatgttaac atacatggtc 60
acgatagaag actaatgcaa cgatgacaaa aatataacat gaagtttata aaaggagaag 120
aatacggggc aagatgattg ctgcatgaat cgacatcacc aaggaggaca actaatgaac 180
ataagactac aaactggaga ggggtagaat aataaggaac ccaaacggca tatcaacgta 240
ctaaagcgga accgaaaaaa acaaaggact accttatgat cttaacacaa gctagtacaa 300
atgaagtcga cagaacatac tgaggctaga ccccccaccta agggggagct cccagc 356

<210> 10306

<211> 449

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220114c07a1

<400> 10306

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 ggatcagcca ctcatgaatg aaaatcaatc gaattaaacc aaaatacctt tctcactggt 120
 aattcattaa taataataat accaaaatttg ttggttcttt gattcacact tgacacatat 180
 tggctttctc ttcttctac atataaaaag gaagaagcaa agcatctttt tttcagcttt 240
 cacgcctctg tctcttatt ttcacttgtc aactctcttt attctccaag ccataattgg 300
 cgaccaccca tggcaccaaa tactactgcc ttaagttatc gtttgaattg gaggggttctt 360
 cctctgggca ctatttattt tattacctat gggcctggca tcatttttga tatggaagta 420
 tgaagaattc aataaatcca ggaatgaaa 449

<210> 10307
 <211> 489
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220114c07d1
 <400> 10307

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 gagggatggg gttacaaatt gatcttcaaa gttaaaatct gctttagcca cgatgaagat 180
 agccttactc cgatgactaa tcttcaatgt attatcaccg tataaactga caagagccag 240
 gaaacaattt tgacaaccac aagtgttga acttcattat caaagcaaag aagccatagc 300
 atggaatgtg cattacaccc acaccaaagt accataaggg tgcataatggg gatgacagat 360
 caaggaaagg ataaggccac cataatgaaa cacaagcatg aatgatccac tgaaaaatca 420
 catatatagc tgtccacaaa ataaaatatg caaatcgaaa cactggaaat ctcatgcaat 480
 tcaatgatg 489

<210> 10308
 <211> 407
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220114c08a1
 <400> 10308

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 cactgctaaa gtcttgggtct ctgcctctgg caatacccaa attgaccaa atccccgactc 180
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 gagatcgta gattggaagg ctgcaaagac atatcaagat agtaaagtca tttataatgg 300
 tagggttgaa ggttttaatt ctggaggcct gctgggtcgg ttttattctg ttatgggctt 360
 tctcccatte ccacaattga gtccagtgc tgcttctaaa gaaccag 407

<210> 10309
 <211> 489
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220114c08d1
 <400> 10309

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 tttaatcttg aacatttgag gaataagaag atcggatata taataaatac actccatata 120
 tatataatgg catgcatgta actgtacaaa atcgatcgca gagattatcg gaagaaaggt 180
 ctgagtgaat gaaattcagg ggacacgctc caatactcgt tgtaatgccc tcctgatacc 240
 ttctgatca agggatgtag tgagatgtat ctctgcacc tgcaccacgg gacaaaacat 300
 ttgagacatt ttttaaagt gtatatctag gttaaagtgg cccattccat tgggttaatt 360
 atttaaggaa atttgtcacc tgtcttcag cccgggcaag tagagtaaac ctttgggtcg 420
 tgggaggtgc attagaaagc caaagctgca agacttgcga gaccactctt ttttcaaacc 480
 cttgacggc 489

<210> 10310
 <211> 480
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220114c09a1
 <400> 10310

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aaagatcata gaagaaggtc ttggctgtct tctaatttat gtagtgtttg gttttggaag 120
 catatatacc actataagcc taagtatagt acggtcacgg aagactattt gagtggggag 180
 agaactttgt ggctgggaga attttatcca agaaaaagat tgcagaacat ggggggttgt 240
 aaaacttata tggtcataaa aatattcctt attttctata aaatttttcg atccgtcaaa 300
 atgattgctt gtgattctat ccatacgcga gaaattggag agtctttctt ttaaggtacg 360
 tacatgttat atgtttggag catatattta attttatatg ccctgcccc ccataaatat 420
 ataaatggaa cgtggggaga tttagatctt aaagaacata tggaatcaag aggcttcact 480

<210> 10311
 <211> 498
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220114c09d1
 <400> 10311

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 attactccag tcttaatatc aaatatagcg aggctaaaat gaacattctt gtctcatagg 120
 ctcataacca acatccaact ttcagagcaa aaaagtacaa atataattgg aagttcaaaa 180
 gtaaaaaaaaa atcatatata tatatataaa gaaacacttt gcatttaatg aattcgtcgt 240
 gatttttttt caaaaagaag cacgtggaga aatttttagc aaaggaaaaa gaggatcaaa 300
 gttaacagtg aagcctatgg attccttatg ctctttaaga tctaaatctc cccaccttcc 360
 atttatatat tgatgggggg gcagggcata taaaattaaa tatatgctcc aaacatataa 420
 catgtacgta ccttaaaaga aaaactctcc aatttctcgc gtatggatag aatcacaagc 480
 aatcattttg acggatcg 498

<210> 10312
 <211> 528
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220114c10a1
 <400> 10312

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tccatggctc tctcatcccc atccttggct ggcaaggccg tgaagctggg cccatcagcc 120
ccagaagtgg gaagggtgag catgaggaag accgtcacca agcaggtctc ctcaggaagc 180
ccatgggtacg gcccagaccg agtcaagtac ttggggcccat tctctggcga gccccgtcc 240
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ccagaaacct tcgccaagaa ccgtgaactc gaagtgatcc actccaggtg ggccatgctc 360
ggagccttgg gctgctgctt ccgggagttg ctgtcccga acgggcgaag ttcggagaag 420
ccgtgtgggt caaggcccgg tcccagatct tcagcgaggg tgggctcgac tacctgggca 480
accaagcct gatccacgcc cagagcatnc tcgccatctg ggccacac 528

<210> 10313
<211> 376
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220114c10d1
<400> 10313

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tttccgggga cgaagttggc ggccataggc cagtcgttga agttgacagg gtcagcaagg 180
tgatcggcga ggttctgcaa tggacccttt ccggagacia tggcctgaac aaagaagccg 240
aacatagaga acatggccaa tcgtgcgcac ttgagctcct tcaccttaag ctcagcaaaa 300
gcctgtgggt catcagcaag gcccaatggg tctaagctgc cacctgggaa attgggtcag 360
tgacctcacc gagggg 376

<210> 10314
<211> 524
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220114c11a1
<400> 10314

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ggaaactcac ccataatta ggtagatgg acttacaaca tcaatttccg ctaaaattga 120

002200"CTTTE560

cgaaacaaaa aaaatcttat agaaaagaaa taagtaaaaa agaaatgttt ttccccaccc 180
atcataacat ggctccattc tatagatctc agaatctgaa gtcaggatcc acatccattg 240
cccaacagaa ttctgccagc agagacttgt tgaaaatctt ttcaatagga acttcatgcc 300
gcttgacca ggcaactgta atcctagggt caaggtagtt tatcttggat gtgccccaatg 360
ccacagtttt cagatcttct tttgtcttca tatcacgttg catttttctca atttttgcat 420
tggtttgaga tatctttttc tctagcattt cgggacccaa gttctttttt ctctttccat 480
ctgaactctt cgagggggct ttcctttcct tgccctgtct aagt 524

<210> 10315
<211> 523
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220114c11d1

<400> 10315

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taacgaatta tttagcattt ttacattcac ttgctcaaaa aaaccaaaaca cgctagtaat 180
attatgtttg agtcagcaac ggagcaataa attcccgaca cataatagta atagtagctg 240
caaacgtggc agatgcttaa cgaaaaacga caatatttac atgcaacca cggtcacctt 300
agctaaagac ttcagcttca gcggtgcctg cttctgggtct cccactgta cagccagtca 360
tagacagtgg gagtgttggg aagtggtttg tcaaacatct gagcaccgat ggtctttgtg 420
gcggagttgc tcccaggatg gaagacgctc ctcaaacggt gtcagcttta cgggccgatc 480
ccggtgtcgt tggaagtcgc ggagtcacgc gngttgttgg tgt 523

<210> 10316
<211> 478
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220114c12a1

<400> 10316

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 tcctcaggat catcactgct actcttcaaa cttttcttgt tccaaccaa ccagctcttc 180
 ttttctttaa ccacaccatt ggcttcagaa gtctcacagg aagctgcaga accattttct 240
 tgaccatcaa aggtccatg ttctcatcc tcgtgagtaa catcagagtt ccccatatgc 300
 agggcagaat ctaattgcat tctttcctct gcagtcaata catcatcata ctcatcattg 360
 ttttcccat tcatgatgct ttctccatac tccacagcaa aaagttcttc atctgtcata 420
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<210> 10317
 <211> 453
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220114c12d1
 <400> 10317

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 atttaatttt tgttatttat ttatttttat tatatttttt atattattgg tttatttatt 180
 ttattatatt atattaattt attttataat attactttta ataatatatc caagaaacag 240
 tataaaaaaa aaggaacaca agcaaaaaca aaaagaaaaa aaaaaaaaaa acaaaaaaaa 300
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 360
 aaaaaaaaaa aaaaacaaaa aaagaaagga aaaaaagaaa cgcaagaaca aaaaaagaa 420
 aaaaaaacac aaggaaaaaa ggaacaacag aaa 453

<210> 10318
 <211> 563
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220114d01a1
 <400> 10318

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 gggttgatga tcaagatggt attaaagatg gagaaagggt attgctttgc cttaagcgtg 180
 ctttaaggat tgcaaatgct gctcaacaaa tggccaatgc agcaaggggt agcagtggtc 240
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 gtgactctgc ttcagctctt ccagcttcgg atgccttttt taccagcaca ttgaggtaca 420
 tccaattcca aaaacagaag ggtgggtatac tgggtgaaaa atatgatccc atcaatgtct 480
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<210> 10319
 <211> 504
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220114d01d1
 <400> 10319

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 aacactttat aatgcacaag tagtgaacac tgataaacct ttttttattt tgtttttcaa 180
 gatgaagatg aacactcaca acaacatggt tggcttttca tacaacttcc catttgggag 240
 tcctggatat gttaggcagg gattgagaca ttgatgggat catatttttc acccagtata 300
 ccacccttct gtttttggaa ttggatgtac ctcaatgtgc tggtaaaaaa ggcacccgaa 360
 gctggaagag ctgaagcaga gtcactctgc atctgggtcg tgatcaattc tataagccct 420
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 gtatttcaac aaagagcgtc actg 504

<210> 10320
 <211> 327
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220114d02a1

[illegible]

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<210>      10321
<211>      533
<212>      DNA
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<223>      Clone ID: jC-gmf102220114d02d1

<400>      10321
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caagttgatc	tcaaaactgc	tgtatctaac	caacccaaca	ttatgcacca	ccaactttct	180
gagccttatt	tcggggatct	ctagacccat	tatctctaga	gcgtgcatgt	ttgccccctc	240
tcccatgcc	tcttccccct	ccttgcttat	tcttgaattc	tcggtgtttg	ccttgattac	300
cacgaagcag	gtccagtat	tctttttcgg	cctcaccagt	cactggatct	agaatagcaa	360
tataattctt	tacaaccaag	ccatcctttt	ctgaaataac	tgcagcagca	cgagctttct	420
gagcagcttc	agtttcttca	aagcggatgt	atcctgactc	tgctccaatc	ttgaaatcaa	480
tgtacttcac	ggtaccaa	at	ttctcaaaga	cactctttta	atccttacgt	533

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<210>      10322
<211>      565
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220114d03a1

<400>      10322
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cctctgtagt cgctatcaaa tacaagatg ggattctaata ggccgctgac atgggaggtt 180
cgtatggatc taccctgcgg tataagagtg ttgagcgtat caagcctatt ggaaagcatt 240
ctcttcttgg tgctagcggg gagataagtg actttcagga aattttgcgc taccttgacg 300
agcttatacct ttatgacaac atgtgggagg atgggaattc tctagggccg aaggaggtgc 360
ataattatth aaccctgta atgtataata gacgtaacaa gttcaatcca ttgtggaatg 420
cacttgtagt tgggtgggtg aaaaatgggc agaagtacct tggcatggtt aacatgattg 480
gcattaatth tgaggacaac catgtagcaa ccgggcttgg aaatcatctt gctaggccaa 540
ttctccgtga cgagtggcat gaaaa 565

<210> 10323
<211> 423
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmfl02220114d03d1
<400> 10323

ataagaaaag tatgccccgg ttttcataat ttattattta tacaacatcc caggtctttt 60
ttctttatag gctttaggaa aagaaaatth acccggttta cacgtgacac taaacggcaa 120
aagcgggctt acagggtttt gaaaattht aaacctccg aagtcgaac caaatccatc 180
accacctttt ttatgcattc cctgggtccg gtccattgg ccaatthtth caaccattac 240
acaacctcgc cacgggggtg gtttaagacg aggtcttgc ttgtcaaatt ctgggggtcc 300
cacatcgggtg ggacgagaga cttctthtca ttgggacct gcgcattggg actcgccccg 360
ggtgccttat ccacgggaac ccgacctgga ttacctgggt gcgacctctt ttcgaaaaca 420
cca 423

<210> 10324
<211> 492
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmfl02220114d04a1
<400> 10324

caagagaggg aagcagctgc tctacttgag tggagagtga gtcttgacaa ccaaagccaa 60
 gcttctttgt catcatggtc cagtgggtga agtccttgca cgtggaaagg aatcgtttgt 120
 gatgaatcca actctgtgac cgctataaat gtggcaaadc ttgggctaaa aggtactctt 180
 cacagtctca aattttcatc ttttccaag ctgctaactc tggatattag taacaacagt 240
 tttaatggaa tcattcctca gcaaatttct aacttgtcta gagtttctca gttgaaaatg 300
 gatgctaadc tttttagtgg ttcaatcccc atttccatga tgaagttggc tagcttgtct 360
 ttgctagact taacaggcaa taaactttct ggtaccattc catcaattag aaacttgaca 420
 aatttagaac atcttaagct cgcaaacaat agtctctctg gtcccatccc accctacata 480
 ggagagtttg tg 492

<210> 10325
 <211> 383
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220114d04d1
 <400> 10325

tttctttttt tttttttatt attttttttt tgaggcacga gataaccact ttggaccgta 60
 tatatataga gagagagaat accaagcaca ctgattacag gatgatgctc tctttaagat 120
 gggaagccga tcttatcaga tcacataggt aggtggaaat aatatctcta gcaatctaac 180
 tagagaaggt cgttcttgca caacacacag cacatgagaa attaattggat acacaatctc 240
 attctcatgg tgctcaagat gcatggacta attagcaac aatggttggtc cgataggaag 300
 tgccacaga taaattgggt gcccataaaa aggccttgct tccaaggaaa tggcaaacag 360
 ggtagttcc atgaacaact ccc 383

<210> 10326
 <211> 408
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220114d05a1
 <400> 10326

acctttttat tttttttggc gcgggatgat tgagacctt cttgtgaaaa tagttgccag 60

cgtaggattg ttacactaaa taatttcctt atgatgatta gatgagcgca gagatgcatg 120
aattgcatgg cttccggaag tcaaaattgg gttgcaaatt ttacaaaggc attctaccaa 180
gcgcgaaaca aggatatatg attatatgcg acgatgaccg ataaagttaa atttgtacca 240
ggaaatgtgc ctacgcttgg ttcaattact tgaggagtta cctgttaaag actttgtttc 300
cactccagta gaaatgttct gacagacctg tttcacaatc gttacgggtg gattgatcac 360
tgatccatta tgcacgtgg cactggattt gaaagggttaa gttttttt 408

<210> 10327
<211> 469
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmfl02220114d05d1
<400> 10327

ggaatgctta ttttatatct atgcgtttca ctactcgtgc gagaattata cgcaaaaagt 60
gagcaacgaa atagtatact cgagacataa tagttatgca cgggacataa caaagaaatt 120
ttgtatccca gtcactgctc gactgtagtc agacaaacaa ctttatacag attactactc 180
aattccacct atggcggttca aggccgtaca atttgaattc caaaaaacat gtatgtaaga 240
aagaaataac ccatattgtc acagctaaaa tattcattat aaggaaatgc tccgacaatt 300
agcatattaa aagaacgtat acaaaaagca tttcttgcat tagatcggca gctggattcc 360
tggtatgcac ctgggtatag cttaaaaggg gacaactacc taagagacag attagtagca 420
tatgctcgaa cacgtgaaaa tgaagcagat gatagactta tgcacgtag 469

<210> 10328
<211> 478
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmfl02220114d06a1
<400> 10328

gcaattttct attttttctt ctcatggctt cagattccaa aaaggatttc cctgctgatg 60
acaaagctgg aacagcagag aataaagcat tcaaagatga aacgtcatct aaagattctc 120
cagcagcacg aagagctact acagctactt ctggacctgc aactggtttt ccaggcaacc 180

cttttagattt ctctgcaatg tctggcctgc tcaatgatcc aagtatcaag gaattggctg 240
 aacagatagc acaagatcca tcattcaacc agatggctga gcagcttcag aaaacttttc 300
 aaggagctcc acaggatgct atgcctagct ttgataatca acaatatttt tcaaccatgc 360
 aacaggttat gcagaatcct aattttatga ccatggctga gcgcctgggt aatgcattga 420
 tgcaagagcc atctatgtct gccatgcttg aaagtttttt taatccatca gataaaga 478

<210> 10329
 <211> 435
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220114d06d1

<400> 10329

gccacgaagc aatgtagtcc aagtaaaatt gaagcctgaa taaaatcatg acggccctaa 60
 tcttcaaaat catgccgggg gacaataaat gcattacaag aaccttgata acaaattcta 120
 tggggactca cattcaacaa cgttaatcaa tttagtttaa cccacaacgg ttggaagaaa 180
 cccaaagata aattacaaag tcgggccttt ttcccctcag tttccccttt gcttgttggg 240
 gaccgcatgg catcatgcat tgcaattacc gaaagcatt tttctcaagt agcttcagga 300
 cttcattttg attgggttagc ttgcgaacat ctattggagt ttaccatcc atattctgga 360
 gagtaactgc agcaccattt tcaaggggaa gggccacaca ttcctttctg ccataaccag 420
 ctgcataatg gagag 435

<210> 10330
 <211> 497
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220114d07a1

<400> 10330

aactctgcac caacaatata aattgggttaa agagaggact atatctggag attcatacta 60
 tggctctcac gtgatgcagt atgggtgatgt agggcttagc agagatgttc tcttccatta 120
 tttgggtaca gatcctgcta atgataattt cacttttgtg gatgaaaact ccttatggtc 180
 accttcaaaa ccagtcaacc aacgtgatgc tgatctcatc ctttttggg ataagttccg 240

caaagctcct gaggggttctc tcaggaaaaa tacagctcag aaacaagttt tggaagcaat 300
gtctcacaga atgcatgtag acaacagtgt aaaactgatt gggaagcttt tatttggcat 360
tgaaaagggg ccagaagtac tcaacgctgt tagaccggct ggatcggcac ttgttgatga 420
ctggcactgc ctgaaaacca tgggtgaggac ttttgagaac acatgtggat ccttgtctca 480
tacgggatga acacatg 497

<210> 10331
<211> 555
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220114d07d1
<400> 10331

aaacacacat catattacta tgtgttgtca tacatgcatt gtaatgagtg gatattccaa 60
agcaattggg ccccttatcc ctccttaate cttatgccgt aaatggcacc atcccttgta 120
aattgtaatt gcttcttcag aaatagaatt atacaaaggt agttgcaata tctatttgcc 180
aaactataaa tgtaaagacc cttcttccca atcctagtag tgtcccaatt gtatttacia 240
aggtgggaca agatatgtat atacaagtac aaccatgtaa cataatgtaa caataatcat 300
actttgggtc ttactagtgc acattacagg gagttattat gcaactgaaac ccctttgcag 360
agaactccag ggattggaag gaatactgac acaagcttgt gctgaagcct cagccatttg 420
ttcattcttt atccctacat tgcagatgtt tgcaagggac ctcagtgtgt tcatcccgta 480
ttgagacaag gatccacaat gtgtctcaaa agtcctcacc atgggttttca ggcaatgccc 540
gtcatcaaca agtgc 555

<210> 10332
<211> 515
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220114d08a1
<400> 10332

ggcccttaaa ctttcgctct ctctgcttca cttctctgct ttggcatttt cttgggaaaa 60
aaaaaaatcc tcagaacaaa aataggtctt cttcttctct gatctacaa agcttcaaat 120

tctccttagt ttggtttgtc tgtgagtttg gagtgtaatg tcgccgccga cgctggtaac 180
 ggaggaggag gggcggagca ccgtggcgtc cgattcttcg caatccttgg actgtttctc 240
 tcagaatggt gctggattga aagaacggaa ttacttaggg ttgtctgatt gctcatcagt 300
 ggatagctgt gcctctactg tgccaagctt gtgtgatgag aaaaaggaga acatgaattt 360
 gaaggctaca gagttgaggc ttggtcttcc cggattccaa tcgcctgaaa gggaaccgga 420
 tcttttctct ttaagctcac caaagcttga tgagaagcca ctcttccctt tgcttcctac 480
 taaagacggg gattgctcgt ccgggcagaa agctg 515

<210> 10333
 <211> 540
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220114d08d1
 <400> 10333

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 acaaacggat tctataatg attacagact ccacaaatac taatatttca ttgtagcttt 120
 catatgatat tacagtggta acaaattaac acaggaccat gacaaactct tgagggactt 180
 gaaaacaaat aagtggaagg gcgtaaacc accaatgcca ggatttcagt catcatcctt 240
 tgcttttccc attccggagg atccaacaat aaacacttga ttagacaaaa gaggaatcc 300
 aggataccct aaatcctgct tttagacttt accatggccc tgggagctaa accaatggca 360
 tcagaacctt ataatttcag cctttgcaaa cttcatggaa cctttttccc aggggcaata 420
 cccttaaagg tttcaaatct ccattcttat cttcataagt gagaacatac tcagaacctt 480
 gcagaagatc cctcagcttg ctctcactca acatttctct tctggagct ccattgggaac 540

<210> 10334
 <211> 448
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220114d09a1
 <400> 10334

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tttctaattc tgagactgaa atacaggcta ctttactgc tggtaattaa cctgaaaatc 120
 tggaggatca taacagtcaa ggagggctct attgtagagg ttttcaaaga cggagaagga 180
 ttcacagcag catggtacac agacagcata tcaaatctga aggacggtat agcttatgca 240
 tgctatgtag tgcttcttga tgatgaaggt gcacgacctt tgaaggaatg gatttccctt 300
 gtaggtggag aagtcacatt tacgagaata cgtactaatg atcatcttcc tggcttgcac 360
 aatgacggaa caaggaacag accgagggca gatatggtcg actatactgg aactggagat 420
 gatacggacg acgctttcaa cgtagaaa 448

<210> 10335
 <211> 417
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220114d09d1
 <400> 10335

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 ggaacataga taacaaacct tactatatgc aagccaacac attaccact ctattctata 120
 catcatgggt tgagctgac ataatggata caacgtacag tccgtataca ctgaagctgc 180
 atcaattgag gatggaccgc tgcattccagg aatctccatt ggtatgttcc ctatcatagc 240
 agtcatgata gggatccaca tgtatgccaa gcgagctggt ctgtcaaattg aacacaacag 300
 ttgaaccgc caacactagt taaaccttgg tgaaaccccc tagaacatta tcgctcacgg 360
 tgtttgagac cctctccatg tgcagcggaa ggaaactcta taggccgatg aacatat 417

<210> 10336
 <211> 522
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220114d10a1
 <400> 10336

cgcggttca accttgtagt tattctcttt cttctttttt agctatccct ctcttgaaaa 60
 atctagatct cgttcttctt tgatctacgt tacgctttta gtgaccggat ctgtatggat 120
 ctgaaccaga tctacacgcc gatggtgggt ttggcctggt ctttcataga tctgatgcat 180

ggaggctcag atctactgta cagagatact gtagataatc gatgagaaga acgcagatcc 240
 agccgcttcc gcttggtcga tcgctacaga cgcttgatc ggattattca tgattgattc 300
 ataagcagca tgtcttcctc cggctatagt tgggtgcagat ctcggatggt gtaaaattag 360
 tgtatgatgt gaagctatgg gctggaaaat gtggatgtag gagatttcgg gacgaaaggc 420
 ctcaaaacgc ttcgtcggtt gtggttactg agtcctgagt gatcttgta tccgaccttt 480
 gccatgacag gtgcgcttgc ttgcagggtca aatatgttaa ta 522

<210> 10337
 <211> 405
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220114d10d1
 <400> 10337

ggaccattaa agattaaaac tactttactg ggctgataat atattttggt ttggctcaat 60
 taacatctaa accgacaact gccatgattt tccaattatc catgcgtctc ggaacaatat 120
 aaacatcagt agatataaat acataaaatt atgtatacat aaagaataac taaaataact 180
 taataaaaaa ctacgtatac tgaatttctg aaatacataa aaactgtaga tacagtataa 240
 ttataaaata aaaacacgat ttttttaatg tgttcctgc ccacgtttaa actttcttgt 300
 ataacaaaac cgttcgtcat ccatcaatag cagataacag aaacttatca attgaattgc 360
 aaattgaact cgaaccacaa gtgaaacctt gaaaatagga aaggt 405

<210> 10338
 <211> 492
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220114d11a1
 <400> 10338

agccaaaaaa aacatttttaa ttgcaaaata ccaccagtaa agcagtcaga attgagttat 60
 atcccaattc cagtgggaatt acaaagttct atttagaata tatagaaaca agataccaat 120
 aaaccatcaa aagaaaatga gaaacaaaac tgtatcataa tgacattgtc gacaaagtta 180
 acacttgctc tagaaagagt tcaaacaggc aaaataataa aagacaatta acatgacaac 240

tctaataaaa tttgtgatta actataacca ctcaaacctt aaagtcctcc aaaaagatgt 300
 ctcatgggt tgttcaaatt caagcctttg aggccttgctt ttcctttgcc ttctggatct 360
 tcaagacctt cttcacaatc ttttgctctt caactaagaa agctcggata atcctctccc 420
 tgacagcact tccagacaaa actccgccat atgcacgggt gacagttcta cggtttctgg 480
 gtaaccttga tc 492

<210> 10339
 <211> 365
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220114d11d1

<400> 10339

ggggcgaaaa aaaaaaaaaa aaaaaaatgg acctttttaa aaaaaaacga ggggaaacct 60
 taatcccaaa aaaaaaagg ggcccccaa gaaaaaaac caaacccaag gggaaggggg 120
 aaaaaacccc caaaaacggg gggaaaggga aaatgggggg gggaaaaaa aaacgaaaaa 180
 ggggggaagg ggggccccaa aaaaaaacgt agggggacaa acaaggggca aatccccggg 240
 gagagtacca aaagaaaagg ggccgggccg gggggccaca agagggggag ggctcgcccc 300
 aggggggggg ggggaaaact ggcctagcca ccccggggtt cccccctggg ggacaaaaat 360
 ccccc 365

<210> 10340
 <211> 387
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220114d12a1

<400> 10340

aaaaaaaaat ttcttggtct tttttctcca ggggggttat tttcaccttt tgcttcacac 60
 aacatgggat ttccaaatcc cccgcaaaac ccccgggccg accttttcaa gccatcatga 120
 aagaaccgga aaaaaaaaaa atttgagata taacaatttt tccttggtta gcaggatccc 180
 gggcccgga tatattagg ggcccaacta aaggcaggg ccaagttgcc cctgggctta 240
 ggggcttgaa accgggccct tacctagagg gggacagctt tttttatttt gaagggttt 300

aaaggggtcc aaaccttttc cggggagggc ttacaccccc ggggcctact gggaaatggg 360
 ggagggccct ttggggaagg aatcatt 387

<210> 10341
 <211> 357
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220114d12d1

<400> 10341

ctcttcccc ggggcaaaac atcccgggcc cccaacacac tctccccccc ccccccaact 60
 gggggccccc ccacggggc cccagcgcc ccccggga ccccccccc accccacccc 120
 ccccaaaacc cttagccgg cccccgcca acgcccacacc cccatctggc ccccccccc 180
 ccccaatcc ggcgaaaaac gcccggaacca ccccatgct accgagcgcc ccttgcac 240
 ccccccttaa agcccgaaacc cccccccct acttccaccc ccccgggcac aaaacccgaa 300
 aaccccgctgc cccctcctac ccccccccc ccagccgggg gcgccccccc acccccc 357

<210> 10342
 <211> 552
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220114e01a1

<400> 10342

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 atccttcaca tccaggggtg ccaatgcggc aaccagatcg gcgccaagtt ctgggaggtg 120
 gtttgcgcg agcacgggat cgacccact ggaaggtacg gtggggactc agagcttcag 180
 ctcgagagga tcaatgtcta ctacaacgaa gccagctgcg gccggttcgt gccgcgcgcg 240
 gttctcatgg acctcgaacc gggcaccatg gacagcgctc ggtccggggc gtacggggcag 300
 atcttcaggc ccgacaactt tgtgttcggg cagtcggggg caggaaacaa ctggggccaag 360
 gggcactaca ctgaggggtg tgaactcatt gattctgttc tcgatgtggt gcgcaaggag 420
 gctgagaact gcgattgctt gcaaggtttt caagtgtgcc attctctggg aggaggaact 480
 ggatcaggaa tgggtacctt gttgatttct aagatcaggg aagagtaccc agataggatg 540

0022E0"ETTES60

atgcttactt tc

552

<210> 10343
 <211> 381
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220114e01d1
 <400> 10343

aaaggctaaa attatagcag ttgtaaaatg ggttccctac caaccgggtt ttcttaaaaa 60
 cggaacaaca cccgaaccga ctttattgaa cagttatgca aactagacct acccggaaca 120
 aaacccttcc ctgaaaagag acaataatga accggcaacc ggaaattgca gcttggtatc 180
 catattgttg tctaaaggcc ccggaatgaa ccacacccaa ggggaaattc acatattatg 240
 gtggggaaac cctcctcgt tcttttcttc ttaaaactca acctcatcag cagggggatt 300
 ccgggactgg ggaaactccg acaccagatc ggtcatgggg gtctcaacct ttgggaactc 360
 cattttgtcc atggcttccc c 381

<210> 10344
 <211> 530
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220114e02a1
 <400> 10344

gaagaattaa caaagtcaga agctgttgaa gtactcagga ctactaaagg aattcttttg 60
 gatcttagca agtcccccta taaaacaaga aggacctcca ttgattcagt tctagagaac 120
 caaaatttc agaaactatt tccatctttt gatgacttac tttgtgctct ttttctgggg 180
 aaaaagttga atacagatgg gagagttgaa atttgttttg ttggtgacct ttagtaact 240
 tcttttagcat tgctgtttgc gttagatgct ctggatgaca tgatttataa tcttaacaag 300
 tgtgaaaact atgggaaaga tatgtttctg ttgccacttt taaagttaaa tagaatacat 360
 tctggttcag caattgcaag ttcagaggag ttgccttttg ggattataac atcagcattt 420
 gatggcactc gaatgtctaa atgggaagaa ccaaaggag gaagaggttg ttgggtcgtg 480
 tatagaacat ttgataacaa gatgtttgag ctcgcaacat atgagttgat 530

<210> 10345
 <211> 488
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114e02d1

<400> 10345

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 tattactgtt atgtatgggc agtaatctca agccaggaag ttttagtttt gcctcctcat 120
 ttcatccacg gtgatgggct tccttttaag gcatagacaa atttaatctt aattttcttt 180
 ttcttataaa ataagacata gacaaaagaa tttgctcaac tatgctcaca atttacctat 240
 atttcatata gatttttttt tcttttatct taatttttcg gatcatcgga agaaggagac 300
 cttaactatt tcgtaattta gtcgggaggt aattaaagtc tccggatttc atatagattt 360
 tgcatagagg tcaatgctac cgatttgcag ccgggaatta gactgaatat ctctgactgc 420
 cagaaaccta aacctgaaaa cattacatgg aaaacttgca gaactgattg tgtatgttct 480
 gcgctgga 488

<210> 10346
 <211> 380
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114e03a1

<400> 10346

gagaaagaag gcctccttca gctaccttct gacaaggcac ttttgtctga ccctgtgttc 60
 cgccctcttg ttgagaaata tgcacggac gaagatgcct tcttcgctga ttacgctgag 120
 gctcacaaa agctttctga gcttgggttt gctgaagcct aagcaacgtt ttggggattg 180
 ttggagaggc acggtgccca taatatttct ctcataaatt ctatggcat ggtttctaatt 240
 gcgccactgt gggttcctca aatttttaga tagcttttga atgtattttg ctggacgtgg 300
 tgatgatgat tggagtggg ttgtttttat ttgtggtcga tccttttggt aaataacatt 360
 gttcagcgat tgcgatattt 380

<210> 10347
<211> 538
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220114e04a1

<400> 10347

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attgcaaact tttgtgcatt ggaatttgga ggccataaaa aagatgcgat gctacacgca 120
aacaagtagt acaagtccaa taagaaaagc aagatagaaa gattggctag ttcacacacc 180
tcaattaata caacaacacc ctgttgctga tagttattat agagagagtt cgatcaattc 240
aagcttgcaa gcttaaccat ggaacggtat gagataatta aagatattgg gtcaggaaac 300
tttggtgtgg caaagctggt caaggaaaaa tggagtgttg aattatatgc tatcaagttc 360
attgagagag gcttcaagat tgatgaacac gtgcaaagag agattataaa tcataggtcc 420
ttgaagcatc ccaatatcat tagatttaaa gaagtgttgc ttactccaac tcattttgca 480
atagtcatgg aatatgcttt cggnggagaa ctgtttgaaa gatatgcagt gctgggag 538

<210> 10348
<211> 243
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220114e04d1

<400> 10348

aaaagancaa aatccaaatt tcaccaggt tgatgggata attattactt ataacaataa 60
gttaaaccga agataataat tattatgaaa aaaaaaaaag gagagggtccg ggaaagaaca 120
aagggggggg gggttatatt ttgggatttt ccaatggaac ccttaagtat tgggggccct 180
tgtaaggggg tttttggcaa aggatattgg gattgggggg aaaaaggcca aggtaccccc 240
ttt 243

<210> 10349
<211> 481
<212> DNA
<213> Glycine max

002220-03200

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220114e05a1

<400> 10349

ggcaaagaat acatcactct cgatcaactg aggaacgaga tgggtgtcgga ggtgaagaaa 60
atagggcgcg tttctttgat cgatctcgct gacgctactg gagttgactt gtactacgtg 120
gagaagcagg ctgagagcgt tgtaacggaa caccgagaac tgatgttgac tcagggagaa 180
attatgtcgg agtcttattg ggactcaatt gcagaagaga ttaacgagag gcttcaggaa 240
tgtagtcaaa ttgcgctgac ggaactcgca gcgcaattga acgtaggttt ggacttggtt 300
tcacccatgt tggagccgcg ccttggaaca attgtgaaag gaaggcttga aggcgggcag 360
ttgtatactc ctgcctatgt ggctcgtggt ggtgccatgg ttcgtggtgc tgtgcgaggc 420
atcaccgttc ccacannatt gactgtggtg tggagctcat tgcagcagtt gctgcaagaa 480
a 481

<210> 10350
<211> 475
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220114e05d1

<400> 10350

gtaaaaatca agtaacatta agttggattg ggatacacaa gataattcac attatctgaa 60
gtacattgca ataacatata cttcaccaaa cacaatcta aaaactctca aaagtccaca 120
agtcatectt ttctttcatg ctcaattgcc ggggacgaag ttggtggcgt aggccaggc 180
attgttggtg actgggtccg caaggtgatc agcaaggttc tccaatggac ccttaccggt 240
gacaatggcc tgaacaaaga acccaaacat agagaacatg gccaatctcc cggtcttgag 300
ttccttcacc ttaagctcag caaaagcctc tgggtcatca gcaaggccca atgggtcaaa 360
gctgccacca gggtagattg ggtcagtgac ctaccgagg ggcccaccag caatacgata 420
accctcaaca gcacccatta ggataacttg ggtggcccac atggcgagga tgctc 475

<210> 10351
<211> 256
<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220114e07a1

<400> 10351

gtgcatacat atctatctat ttatctatag caagtgcgtc aagagacacg tggtagccta 60
gctagagtgc cattctgtgg tttctttctt tctttcttct tgcatacat cacaatttgc 120
attgcctcgt gtcctttttc ttctttgctc tccaaaaatc tcacacacac aggtatctag 180
caaatggggt ctcaccaaca agaaccatgg ctattggaga atgggaaacc aagggttttg 240
accaaggaga ccaggc 256

<210> 10352

<211> 529

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220114e07d1

<400> 10352

gatgcatgct ttctttttca cagataaaaag attgtcacgg tcgaggaaga tcaaggtttg 60
gaccatccaa ctacaactca ttgaatgtga ataagtgtgg gagttgaatt agttcaaggg 120
caacctcatg caagagactc ccattacgag agtagctata catgtacaaa aaattcttta 180
gaattttaat ttgtaataat tacacgaaaa cgatttttct tgagtgtaaa ctcatacat 240
tctcaaataa aaattaaaga caaatctgta gaagtatcaa aaaaattcat ttaagaaact 300
gattttttct aataattttt ttttatcagt tcatatacca tttaaaaatt taacctactg 360
atcttatatt taaaagatga agttatttat cacattttta taattacttt gaatgattga 420
attagttgag ttgatgaatg attgagttag ttggaactga gaaaacaatg caaacatgtg 480
caacatcaac aacaactaat taagtggagt gatgatgaga gggactcac 529

<210> 10353

<211> 484

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220114e08a1

<400> 10353

tgggacagtc accgtccacc accgccgcgc ctccgccaga cctcaaccgc caccaaattc 60
 ctcagatata tccaaacacc gattccgatt tcaccgatta caccctccgt ctctccgacg 120
 attgcctggc cgcaatcttt catttctga gcaccgtcga tcggaaacgt tgctctctgg 180
 tctgccgccg gtggctccgc gtcgacggcc agaggcggca ccgtctctcc ctcaacgcac 240
 agccggaatt actagacttc gtcccttccc tattcaaccg cttcgactcg gtgacgaaac 300
 tcgctctacg atgcgaccga aagtgcgcga gcataaacga cgacgctttg gttctgatct 360
 ctctgcggtg caggaatctc acgcgcctga agctgcgcgg ctgccgcgac ataactgaac 420
 tcggaatggc cggcgtaggc gaaaactgca ggccttgaag aagctatcgt gcgcgtcgtg 480
 catg 484

<210> 10354
 <211> 453
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220114e08d1
 <400> 10354

aaaaggaac caaatTTTTt gcagTTTTta ttttTTTTt tggcaactct gcagTTTTta 60
 tcaaaaaaaaa aaaactgcac tgtaggaaa taaaaccgac cttttaccaa ggggtataac 120
 cataacaaat tggaaagggc cactcagtga gggtaactga caaatctagt caacaaaaaa 180
 aatgctgctg ctatcagcaa ctaacctgaa aaacaaaaaa tcccatagca accctgcaaa 240
 aaacaggcaa tcgacatgag aaccactatt atagatatgg gggaatgccg acttggcaaa 300
 aatgtggctg ctggcttgct gcttttttac taacattatc caaaactggg gctactggag 360
 acattatcac cgtagacca ttttttgaag gccccggta ctaaatttct accagccaaa 420
 aaccaaaacc ttgagcttaa cattggcaat cgg 453

<210> 10355
 <211> 512
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220114e09a1
 <400> 10355

gtgcagcatt tgttcagcta attgaagttc gcccatcttt cttggagcca catttacgga 60
 atgttattga atacatgtta caagtcaaca aggatacaga tgatgaagta gcccttgaag 120
 cttgtgaatt ttggtctgct tattgcatg ctcaactgcc acctgaaaac ttaagagaat 180
 tcttgccccg tcttattcca gtattgctgt caaacatggc ttatgcagat gatgatgaat 240
 cagttattga agctgaggaa gatgggtctc agcctgatcg agatcaggat cttaaaccctc 300
 gatttcacgt atcaagggtt catggatcag atgaagtaga agacgatgat gatgatgttg 360
 tcaacacatg gaatttacgg aaatgcagtg cagctgctct tgatattctt tcaaagtgtg 420
 ttggagatga gatccttcca actcttatgc ctattgctga ggctaagtta tctgctggtg 480
 gggatgatgc tcggaaagat agggaagctg ct 512

<210> 10356
 <211> 298
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220114e09d1

<400> 10356
 aactaattat tgtctcaatc aaaatttaaa tgatgcgctg cctgaggcaa cacagttgaa 60
 attgattttc aagttacggc tcacacaatt taacaactaa atacgctgga aaatacaagt 120
 cagatcatac cccccccct ttaagcgctc ctgagtctct ttctatctct ggtgggacaa 180
 aactgtgtaa ccaagacaca acctattaac ttaaaaacgg aaaaatattg aaaaactgtt 240
 acgactatca caatggtcga ataaaactgc tagcttttaa ttaagggttt aactttta 298

<210> 10357
 <211> 559
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220114e10a1

<400> 10357
 tttccaacac acactttctc tctctatctc tctctctctc tctctctggt tgtctttcat 60
 tttgttcatt gttgttgatg atgtcacgcg cgcctgtgtt attacacgcg caggaggagg 120
 aggaggagga gtgtagtact tcgacgtcgt cgctgatcgg gaggaacagc gacgtgtcgt 180

cggagagatc aatggaggaa ggagaaaacg aggtggaaag tgcctaccat ggacctttgc 240
 atgccatgga aactttggaa gaggttcttc ccatcaggag aggcattctg aacttttata 300
 atggcaagtc taagtcatc acaaccctgg ctgatgcagt gtcttcccca tcagtgaaag 360
 acatagcaaa gccagagaat gcatacacca gaaggcgtag gaacttgatg gcattgaacc 420
 atgtcttggg caagaataat agaaactacc ctctaagaag cagtgggtggg ggcatttgca 480
 agagatcaat cagcttgagt agaagctctc tagctcttgc agttgccatg aacaactctg 540
 acagcagtag tagtatcac 559

<210> 10358
 <211> 574
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220114e10d1
 <400> 10358

gctctaatta ttggccaggc atatcattat atcttacgga agttaatctg aagtgatcgt 60
 acgtacgtaa aggcattgct tctacaagtt tttgctccct caaacaata ggactagagc 120
 aagatattca ttcataaag ctaaaagtta ataacatata gtttggtatc ctctttgttt 180
 tttttttttt tactatgatg gatgagctgt tttatttcca acggaggggac ttgaaatctt 240
 tattgttgca gcaatggcac aatgctgctg tagatcagcc acggaaaatg atctccaggg 300
 agagaaattc cgcaacaaag gagaggatgg acctgagccg gaagaagaag acactctatt 360
 tcgggggatgg agaggcggtg gaggagaggg agagtgtaac gaattcgagc tggaaccaga 420
 atcttcgctt gtgatactac tactgctgtc agagtgttgc atggcaactg caagagctag 480
 agagcttcta ctcaagctga ttgatctctt gcaaatgcca ccaccactgc ttcttagagg 540
 ctagttctat tattcttgtc caagacatgg ttca 574

<210> 10359
 <211> 300
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220114e11d1
 <400> 10359

003360 "E F T E 560

gattaacaat catcattcaa aaaccacaca tgataaaaact ttgtccaaaa gaaaacgaaa 60
aagtgcacat catcaaacac gatataggag atatttgaca cactctaatac atcaaacacg 120
atataggaga tatttgacac actctaataa tcatcatctc cttcaccatc atcatctcca 180
tcaccagact cggcaccaac ctctcataa tccttctcaa gagcagcaag gtcctcacga 240
gcctccgaga actcaccctc ttccatacct tcacccacat accagtgcac gaatgccctt 300

<210> 10360
<211> 594
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220114f01a1

<400> 10360

tgaagattga aaagaattct gaaaaaaaaa attaaactaa gaggttccct ttcgcagtta 60
gtggcactgc atgtggtaag gaatcactca gtttaacttt atatatgcat atcactcctc 120
agtcacctat catatacccc ttctccttcc ctcttataa catcactgat ttctcaacac 180
ttgttaaacc ctctccatct tttgcatgtc taagaacttt ttttccaaat tcagaataac 240
aatttgacat ttcatcagtc tcgattcata ggacaaatgg gtgaggaagc aaaacaggag 300
caagtacaac cagtggctga agccaagcct gaggagaaga aagaagagaa ggagaggaa 360
aagccagcag aggaaaagaa ggaagaaaaa ccagaagaaa agacagaaga agagaagaag 420
gaagagccta aaccaccttc accatgtgtg ctgtttgtgg acttgcatg tgagggatgt 480
gccaagaaaa ttgagagata cattatgaaa atgagaggag ttgaaggagt ggtaattgac 540
atggctaana atgaagtgc cataaagggt atagtggagc ctgagcaatc tgca 594

<210> 10361
<211> 313
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220114f01d1

<400> 10361

cacaagcatg tgcacaatga tgatgtatta ctatttgtaa taataatata tcgtacatac 60
ataaataaga cagaacgata tatcatcaat cagcttgtaa tcaatatgat tccatgccat 120

ttcatttgac accttctccc attccaccag cccaactcaa taaaaaaatt tcccatattg 180
 gtggtgctta caaacaactt tgaaaccttt ttctcattcc tatgatgac gtttatacaa 240
 tgcagcatgc attaggattt tcatcactga agaactgtgg aggggggtatt ctttcaatga 300
 cagagagtgg agg 313

<210> 10362
 <211> 593
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114f02a1

<400> 10362

ttaggctact gcaatggaat gaacaaaaag cagtcaaat ccaaactttg agtgggcata 60
 ttttgagac aatttcgagt gcaaggttct tattgtttca atatagtgtt gtgtataagc 120
 tgcattctac tggaaacaat acatcacttg cggggattgc cacctggact ggttcctatt 180
 tcagaacctt actttgatgg tgagttgcct gaggtggagc ttattgttgt agacacaagc 240
 aagtttgatg atgcaacgac tccagaacct gaacatacta ataaggaaga caagtctgaa 300
 ctttacaagc caaaagtttc tacctgggggt gtcattcgta gacctggcaa tatttcaaaa 360
 acatttggtg gtggaagagt tatatgccca ggagaggttc tagagagcaa agaagaaaaa 420
 gttgttaaag aagcacgcac aaagcagcta cttgctgcct acaacaacaa aactggatta 480
 aatgttgatc caaagctgaa atctgagtgc gaggagctaa gcatatttag tgatatccaa 540
 atattacaac cattctttcc ttcttttatt catggctttc ctttttatgc aca 593

<210> 10363
 <211> 427
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114f02d1

<400> 10363

gttctatcat ttatgcgcta tctgtcatag ccatgaatgt caatgaatac aacgagcaat 60
 agctatgaca gaaaaaacgc ccaacaatgc gcataaaaag gaaagccatg aataaaagaa 120
 ggaaagaatg gttgtaatat ttggatatca ctaaatatgc ttaactcctc gcaactcagat 180

ttcagctttg gatcaacatt taatccattt ttgttgctgt acgcagcaag tagctgcttt 240
 gtgcgtgctt ctttaacaac tttcgcttct ttgctctcta aaacctgtcc tgggcatata 300
 actattccac caccaaagt ttttgaaata ttgccagggtc tacgaatgac accccaggta 360
 gaaacttttg gcttgtaaag ttcagacttg tcttccttat tagtatggac aagccctgga 420
 gtccttg 427

<210> 10364
 <211> 611
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114f03a1

<400> 10364

tcttgtgtcc caccctgcat ctccagcagag ccactctggg tcactacaat gccattgtta 60
 acttcctctt tgtttcacat ggctcctctc ttctctcttc ttttactctc actcatgatt 120
 cgttatggta cttctcaggg tccaccttca cctggctact accctagttc caaaactaat 180
 cctggttagct ttgatgaggg atttagaaac ctttggggac ctccaccatca gaaactagac 240
 caagactcgt taacaatctg gcttgactcc tactcagga gtggattcaa gtcacttcac 300
 tcttatcggt ctggatactt tgggtgctgcg attaagcttc aacctggcta cactgcagga 360
 gtcataacat ctttatacct ttcaaacaac caagactacc caggacacca tgatgaaata 420
 gacattgagt tccttggtac cagccagat aagccatag tcttgcagac aaatgtatac 480
 atcagaggaa gtggagatgg gaacattata gggagagaga tgaggtttca cctttgggtc 540
 gacccaacac aagattttca caactatgct attctgtggg aacctcagtga gatcatattt 600
 ttagtgatg a 611

<210> 10365
 <211> 496
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114f03d1

<400> 10365

aaacaatcac caaatagcta gcgaaaaaga agtgtaaaat taaggtaaag agttatagca 60

ttcctggcat gacatgagat gacaatatag catataaacg aatggaagaa gcatggggga 120
 atgatgatag agttgctcac aaatcatagg gttgcttgcc agtgaacttg acctcaatag 180
 gactaacatt cttaccaata gacctgaagt tctgaccaac cccttggcgt ccggcggttga 240
 ccttctcagg gtacacacca tccttgggggt gcaaatactg aacctcccca ttggggaaga 300
 ccctgtaaaa ctggtacttg atcttgtact ttgacctgag cctagtccca agagccaagc 360
 actgctcctt cctcgccaac ttgagaaggt tgggaccctc cctcatgatg gcagcgccgc 420
 cagtgggcat ttaaagatct gttctttcgg ggagtcccat gtgatgacat aaaactcctc 480
 cacttggggc ttgcgc 496

<210> 10366
 <211> 285
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220114f04d1
 <400> 10366

accgcggtgg gctccagctt tgtcccttta gcgagggttt attgcgcgct agaaaaaaca 60
 tgacataccg gaaaaaaciaa ggagggtggtt gcatagcttt ggaatttccc aatgaaacgc 120
 tcaagtatgg tcgtccttgt catggggcctt tctggagagg atcatgtgcc ttggcgagaa 180
 aatgccagag tgacccccctt tgggcaaata atccgggggc ttgaagagca tttcatgaac 240
 atccacggtc cccttggggc cgattcccaa agcggggaga acagt 285

<210> 10367
 <211> 491
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220114f05a1
 <400> 10367

ctgcgagctt acatcaaciaa gagtgagtta gagaagaaga agaaagagca actcagtaac 60
 gacgatgctg gagttggtgt tggtgtacaa gaaccattg ctccacacat ccctaaccct 120
 aatcctcgtt ttcaccttgc cttcttcaa gatccccctc ttcttctcc acggcctcca 180
 gacctacatc caccctgact cccaaccca atccaacaat ggctccgag ccgcatccg 240

ccgccccggc agcatcgaca gctaccaacc cttgtcttcc aaaaccgccg ccgaactgaa 300
 aaagcggaac aagtccaaca acaagtccga ttctgatgaa aacaatgctc agatcttcag 360
 aatcacgctc gaccacgccc acctccagtc ccgtctcttc atcgatcagt actgcgctgc 420
 ttctactctc tccttcgctg ccctttccac ccttttctc cacaccttcc tcgattcccc 480
 cagaatcgtg g 491

<210> 10368
 <211> 557
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220114f05d1

<400> 10368

ggaagagaac cttcttgcac ttcttccata ggaagtacaa agagaaattg tcttgtagtc 60
 taatgtttat ttgatcagag ggcaaacaca tgaactgttt ggtaaattgat gaattaacaa 120
 aatattcggt acaaacagca acaattcaat ataacaacaa gcaacctatc tttaaattgca 180
 atacaagatt tataatgaaa atgaagcaac ctctatattc acaacaataa tgaaataact 240
 ggtaacatgg agtcctatgt ttttatataa atactctccg gctatatatg aatctacact 300
 ccaacagcaa cctcatatga tacaatctca ggtggggatg agttcaagac cagtgcacaa 360
 ttctgatcaa gttcattttt ggattctagc tccatgtcat tntggatttc agaattgtta 420
 actgatggat catggcattc ttcatgttt cctgtgcctg cttttgcac ttggttgact 480
 ttagtgggct tcacagaatc cttttcagtt tttctgattg cacttttctg agactgcacc 540
 ttggcttgaa ttttttg 557

<210> 10369
 <211> 479
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114f06a1

<400> 10369

cgcgctatca ctgattagaa cctaattgaa caccaatatt gtaggagttg tgtactaaag 60

accggttaaa	gaatatgtag	ttcaagacaa	tcaagtcact	acatttttct	cggatgaaag	120
ttcataaaca	ctaggtataa	ggttcaaacc	cgaaaggttc	cttataccga	aatacaatat	180
cacatgttct	ttctcttatt	ttttatacaa	attatctttc	ggaaaatata	ttttaaaatt	240
ttaaattatg	tgggggaatg	ttggtaaata	tttgtgtttt	aattttaa	at	300
atattaattc	catcttataa	aataaaaatat	ttattttag	attcatctta	agatttggtt	360
ttaatgagtg	aaaataagtt	gttagatctg	tatagacaac	tattagttag	tttccaacgg	420
tcatattatg	tttgttgctt	aaggatgatct	gtgcctatct	atgatcagac	attagtcct	479

<210>	10370
<211>	527
<212>	DNA
<213>	Glycine max
<223>	Clone ID: jC-gmf102220114f06d1
<400>	10370

gctttgtgat tccaaaactc aagtgtctcg tgttcgctt ttgacttcca ctcaggccta 60

tgaaaagcta aaaacattta gagaaaatat aaagggcaag caacaattcc ttgcatgta 120
 ttctagtatt ttgggtggga taacaacaga cccagctgct atgggtattc ctatggatga 180
 ccacatgggc cacagaggcc acggtgtcct tgatactgca gcaataatgg atggatacct 240
 atatgagcta gatcaacacc ttgatcgctt ttttaaggta gcatccatgt ctaaaataga 300
 tccccattt gatcgaggaa gcataagaag aatactcata caaactgtaa gtgcttccaa 360
 gtgtagaaaa ggatcactaa gatattgggt ctcggcagga cctggcgact ttcagttatc 420
 tccc 424

<210> 10372
 <211> 565
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220114f07d1
 <400> 10372

gaaaacttag ctccatggaa tagagtttct tataacacta caagctctaa aaaccattag 60
 acaatgaagt tattaatagt cattcctccc tgtagaagta ggggcatcac aactactgat 120
 taatcttcat tacaaaatga agagaaggaa ataaagttgt gtcaataagg aacaggtata 180
 cgaacagtgg agggacctga tttcatgtcc tcaacaatta gatttaagag agcctgcgtt 240
 atagggcctt ctttgccatc accaataacc tgctcatccc attgcactac agggcaaaca 300
 agaactccgc tgccaagaag catcatttca tctgcttgct taccttcctc gacagtcaca 360
 gttttcacc ttatcccttt aagcttacc tcccttaaca agctctcagc aagggttaaa 420
 actctcttag ctgtgcagcc acttagaatt ttgtcaaagt gtggcattat aagttcctta 480
 tctttagtga caaaggccac attcatatta ggcccttcag caacaaaacc ttcaccatca 540
 agccaaatgc ctacaaaagc accag 565

<210> 10373
 <211> 236
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220114f08a1
 <400> 10373

tgggttcttt ttttgaaaaa cgggcccttt cgggggttct taaaaaaga ccccgggggg 300
 aggggtaaaa aaaccgaaa gggggggaca tccgaagggt ttttttct aaaccgggcc 360
 ccgaaaacc aaggaagcgc gggccctaaa agggccctc cccgggggtg ggcccagggg 420
 cccc 425

<210> 10376
 <211> 414
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114f09d1

<400> 10376

aaaaccagga agggcccaa cgggaaaaa aaaacctaag gccccgaaa ttacaccatc 60
 cccaaaacc caatatcggg aaccggaaaa ggcgtccga acgcccac cgccgcagg 120
 gaaaaaggcc ccccgggcc cagagtcctt cccaaggcc ccgaaaacc ctaaaggggg 180
 gccccccga ggggcaaaag acccctttca gggccggca aacacggtaa ttttccccgc 240
 cctttaattg ggccccccc ttttaccggc cggggggttc cccccccaa aaaatggcc 300
 caaacgggc accctggaa aaccggttg cgccatgag aacctgggag cggggcccc 360
 ctccgaaaa acccgggg ttctaaggg ggccccctt tgaaaaaacc ccgg 414

<210> 10377
 <211> 538
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114f10a1

<400> 10377

agcagcagca agttgtccct tcataagata cggaaagaag aatgagtcaa atttttcact 60
 aacaactagc aagtctcaaa aaaaaagttc atgagaccac aaaaacattt gaaaactaag 120
 ctccatggaa tagagtttct tataaacta caagctctaa aaaccattag acaatgaagt 180
 tattaatagt cattctccc tgtagaagta ggggcatcac aactactgat taatcttcat 240
 tacaaaatga agagaaggaa ataaagttgt gtcaataagg aacaggtata cgaacagtgg 300
 agggacctga tttcatgtcc tcaacaatta gatttaagag agcctgcgtt atagggcctt 360

ctttgccatc accaataacc tgctcatccc attgcactac agggcaaaca agaactccgc 420
 tgccaagaag catcatttca tctgcttget taccttcttc gacagtcaca gttttcaccc 480
 ttatcccttt aagcttacct tcccttaaca agctctcagc aagggttaaa actctctt 538

<210> 10378
 <211> 315
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114f10d1

<400> 10378

ataaattaac tacataattt caaggcttcg agtaattgag atcgaagccg aaaacaaata 60
 cattgatata gagtagcatt cctgttataa catttccaaa aacagggttcg tttcttcatt 120
 ttttagggat gtccaaatat atacacaaaa tgggattaat ttatattaca gaagttattt 180
 atccttcgta tcttcaggca aagcagatac ttgagata ggacataatt tcttcataga 240
 tagccacttt ttaatgcagc tcacatggta gtcagtcca caagtttgaa gtgttccaac 300
 actcgtccat atttc 315

<210> 10379
 <211> 407
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114f11a1

<400> 10379

aaaaaaaaat attcataaaa taaattaatg acaataattt agaacacatg gcttaaggtc 60
 aaacagaatg atagaatgat acaacttaca gctgacctgg aaagacaaca aagcaatgaa 120
 tctgagagatc cttaaaaaca cagaaaaaag tcttccttag gtaatatata aagtgtctca 180
 acatgtttag cagcgcatgg tctctacatt aaaattacat agagcacaga ttgcccttgt 240
 ataaattcct acttctccat gtgggggcta tattgacctac aggctaacga aaccaatagg 300
 aggaaaattt acgattttat ataaaatcaa ccagtataat atggcagaac acttgggcaa 360
 gacaagaaca cccgttgcaa gtaagcttt ttacagtgat ggtgatg 407

<210> 10380

<211> 346
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114f11d1

<400> 10380

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 acaacgggct taaaaattga tgtctaattt aaaacgcgct caaaaaaaaa aaaaaagagg 120
 aaagggtccc caagaggggg ccccttttta gagaaattaa aaaaattttt taaaaggggg 180
 cccattttat tttaaaccct cccctgtttt gggggaaaat atacaaacct cccggggaat 240
 ttctcttaga aaaaaaatc aagaacgact tttttttttg tgcaaaaaaa aaatcccttc 300
 ttttgagttt ttttataaag aggtcacccc cccctatatt ttttaa 346

<210> 10381
 <211> 373
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114f12a1

<400> 10381

aaacaaaaag gcggggatat taaaattacc tcatagtcaa acccggggaa aaataaaaac 60
 cccccagtt ttcgacggaa taattttattg gggccaaaat tatacccaaa acggggctta 120
 ttttaacctt cccacaaaat ccttttttaa gttttcccta tatcccccg gaaaccccc 180
 tacccttttt ttgaaattga tttgctttat aggcaaaaaa catgaggggg ccccccggt 240
 tttccattaa aaactttagg gcccttggca agtaaaacat cctttgactt tgggttaaac 300
 aaattaagcc catatttttt gcaaattaac ccctttatac aggaaagcgt ttttggaag 360
 gattcggggg ctc 373

<210> 10382
 <211> 347
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114f12d1

<400> 10382

gggccgga aa accaaaaggg cccccgggg cccccaaaaa agggccccag gggacccgaa 60
 atccaaaggg gaacccaaaa taatTTTTTTT aaaaaaaaaa cacaaaaccc caagtggggg 120
 gccggaagag gggaaggaaa aaagggggcc ccaaaaaacc attggggggg ccccggggcc 180
 cctttggggc tgggaaaccc tttaaaagga aatTTggcaa aaagcccaa gaaaagggcc 240
 cctggggcca acccagtaaa aatTTTTTggg aagggaaaaa aaaagggggc ccatttaca 300
 aaaaaccttg ccaagcccta aaccaaattc tggggggccc ccccttt 347

<210> 10383
 <211> 582
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220114g01a1
 <400> 10383

ctcattttcc ctccaatttc cttctgggtt ttgcaatttg gccaatggg tccccaaagc 60
 tgtgaccttt tcctctgatc aacgcgaagc ggaagagaaa caccagaga gagaagagaa 120
 aaagaaaagt tgttgttttc ttttgttctt tgggggtgtt ggtttaaaac cgggggttga 180
 agcattgcag acatcacggc tattcaagga gtccgccact ctctttctca tgcccgttgt 240
 gtccgacgca agggtagtgt gacggagaga aatccttcaa cgcacggcgg gcgtggcgct 300
 ctgccttccg aaggtggcag cccctctgac ctctctttc ttgccggcgg tggttcttct 360
 tattaggatt ctgaagtagt attagccatt aacataacaa tagaagacag caccttctaa 420
 agttctctat taggggggtc ttggtccttt tttggtcttc ttctttggta gntgttaggt 480
 ttggtgaggg ctaacatggt gagcattaag agggtttcta ctgtggtttt caattatcaa 540
 aaagaagaga caggggaggc tgctgctgcc gtggatgtgg tc 582

<210> 10384
 <211> 359
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220114g01d1
 <400> 10384

aggctcaaaa aaacagttat taaattggat ttccacattg atcacgacgg acaatcaacc 60

acataatddd ttaaggcctt aaaacatgcc tataataaat acttcaaact ccagtaactg 120
 aacccaggta ctacagggtt taaaactgaa acgtaacata acacaatddd tatccataat 180
 cactaccaat ttggtcatca taaccttggt actggaaaac aaggcattca tgtgaaccag 240
 ccaccatggc acgctgagtg cttgggctaa cagcatcaac ttcctcaagt aattgaggct 300
 tgacattcat ttcaaccgat gcaatggcct gaaaaacaag agccgggact ttttggaa 359

<210> 10385
 <211> 309
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114g02a1

<400> 10385

tttaattcctt ttctctcccg ttatatatat agtatgggct tatatatata tatectactc 60
 atgaggaact gtgattgcag ttcctaattgc atattttaac gcggcgccaa ggagcatttt 120
 tgtgcttctg gttgtctgtg ctttttgtgg tagtagactt ttgctatggg gaccatagta 180
 cagtcgaggt agtaggggtg ggagaatgcg cagattgcaa ggagaaaaac attcaaacta 240
 gccaggcttt ctcaggttta cgtgtgacag tacactgcag ggcaccaagt gaaaacttta 300
 aaaggagag 309

<210> 10386
 <211> 570
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114g02d1

<400> 10386

aatgaactc ttattctttg aagagatatt agaaaactta actatccaat cacaatgcat 60
 ttgtatacac atgaaattaa ttaaaaaataa atacaatgat ctgggttggt taacttgccc 120
 cgatgatgat cttcattcga gaacaacaat attgatcaca ctcatacttc acatcacttt 180
 aaacttctta atcatatcgc tctatttttag tttaaatttt atttatattc tcacccagg 240
 ctcatcacat gccctatcct tccaaggctt tattagcaac aaatagactt cctcaatata 300
 cttgatcata cggaagcac aaaaaagaag acagaaaaaa tgcatgcata ttttgcagac 360

ccaacaagag taatcatcta cctctgcaat attaatatat aaagcctaag gatgagagga 420
 agaaggtggt actgggaacc atttgggggtg atggaaaaag tgctttggag gaagtctggg 480
 aagaggtgga agtggctcga gtggaggcaa cttatggagt ggaggaagaa gtggaagtgg 540
 cttctttag attggaactg gatgaagtgt 570

<210> 10387
 <211> 411
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220114g03a1

<400> 10387

gttaattaac ttgttctcgt tcattactac taaaaaatgg tttccaagat acaaataatta 60
 ccaatcttag gcgtgtgggc catgttactt ctgatctcct cggaggtggt agccactgga 120
 ttacatggtg ttggtgttgg tattggtggt ggattacctg gtgttggtgt tagcgctgga 180
 ttacctggtg ttggtgctgg attacatggt gttggtggcg ctggattacc tgggtgttgg 240
 gctggattac atggtgttgg tggcgctgga ttacctggtg ttggcgctgg attatctgcc 300
 aacgctggat tatctggtgc tgggtggcgt ggattacctg gtgttggcgc tgggtgctggt 360
 ggcgccgctc gtggtcgtgc tggttccct tttatcatg ccagtttccc t 411

<210> 10388
 <211> 525
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220114g03d1

<400> 10388

ggattaaaag tgaatcttta tgtataatat atagactagt gtttcatcta atgacattca 60
 cttacaaaag tcataataaa agatggtact taattaatta tacaagtcaa gatcgagggg 120
 tgatgatagt ggaagcaaga tgaatgtcaa acataacttc attttttagaa gtggaaaaac 180
 ggattattcc acccaacgca agtgactcca atgtaggttg catattattg tgagttgaac 240
 caaaaaaaaa aaagattaaa tttgaacctc taaaatgaag ttcaaactct ataaaaacct 300

aacttttttag ggctttttaat taatgggttt ttgcaagaca agtctgttca ttttgtgacc 360
 tctaattact tctactgact atatatcttg aagaaatggg taatctgtgt atccaagcac 420
 agggatcatgg gtggaaaagg tggatggcatc gggttcgttt aactgagcat cgagctggaa 480
 tcttgtggng agatctggat ttgccagaaa aaggcgccca taagc 525

<210> 10389
 <211> 527
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220114g04a1

<400> 10389

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 tgaagagcag atcagaggtg taccacgggg acgaaatgtg ccaagtgaag tccaaggagc 120
 ttctcaagga aatcgccctc cccaacggcc ttcttccct caaggacatg gaggagtgcg 180
 gctacgacag acaaaccggc ttcgtctggc tcaaacaaaa gaagagttac acccacaagt 240
 tcgacaagat cggaaagctt gtctcctacg cgcccgaggt aactgctcat gtccaacaag 300
 gtaaaattac caaactcacc ggggttaaga ccaaggagct cttgctctgg atcacgctca 360
 gtgatatcta tggtgatgac cctcccactg gcaaaatcac cttcaagacc cctgccggcc 420
 tatttaggtc ttttctgtc tccgctttcg agattcagga ggagcctgag gctaaggaca 480
 ctactnagcg cgtgccggat accgctgagc ctgtgcaagt caggaac 527

<210> 10390
 <211> 537
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220114g04d1

<400> 10390

gaacatgaaa tttttctgaa agccaaaatc aactaatttc agaattcaat ctatcaaagt 60
 caatatcaaa ctataactcg tccacacat ctcaaacata gctatgctcc agattctaa 120
 tcaaagttct taccattgaa aacaactttg ccagtacata taggaaaact aacgataaag 180
 aaaaaagaaa agtaatagtt accaacttgg ttttgcaaac aaaataaaga acatcacaaa 240

acaggctcctg ctatgattga tactactagg gggctagcat tatcctccat tacaaccgat 300
 gaatctcaaa attgaaatcc ctgacatcct tgataaaaat taaactagta gaagaagccc 360
 aataccttac caccaacatt tttcctccta gcctcttcat gatccatgat gccagcagag 420
 gtagtcaata caatataccc aaactgtcct gaggggagaa gcctagcagt ccaaccttca 480
 atctctttga cgcccacatc aaaacgggga ctaataaccc cacacttggt cagtcta 537

<210> 10391
 <211> 480
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220114g05a1

<400> 10391

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 aacacggtac gatgtcactt gcctccgatg atcagaaaac accacttctt cccgtgcacg 120
 agccaatgga aggaacacgc accagcgtct ccttcagcat caaaacaatt ctaacactgg 180
 aaaacttgta cgtgattctg ggacctatgc tgtctctttt catatgcctc ttcgtgaagc 240
 tcgacgcgcc acccacaagc cagaaaatgc ttggtgtgat tgcgtgggtc ttcgcttggt 300
 gggtcacgca ggccgtgcca cttcccgtga cttccatgtg tcctctgttt ttgttcccaa 360
 ttttcgggat agcttcagct gatagtgtgg cgcactctta catggatgac gtcacacccc 420
 tcgttttggg aagcttcatt ctgcacctcg ccgtcgaacg ctacaacggt caccggagat 480

<210> 10392
 <211> 285
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220114g05d1

<400> 10392

accgcggtgg gctccagctt tgtcccttta gcgagggttt attgcgcgct agaaaaaaca 60
 tgacataccg gaaaaaaca ggaggtggtt gcatagcttt ggaatttccc aatgaaacgc 120
 tcaagtatgg tcgtccttgt catggggctt tctggagagg atcatgtgcc ttggcgagaa 180
 aatgccagag tgacccccct tgggcaaata atccgggggc ttgaagagca tttcatgaac 240

atccacggtc cccttgggcg cgattcccaa agcggggaga acagt

285

<210> 10393
<211> 561
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220114g06d1

<400> 10393

agaaacgtga aattaagatc gtaaaatcct taatccttct cagcctctaa tggttaagtac 60
tagcgtgact catttaaata ggacaccaag taacgttcct cagtggcaga acacaggcgg 120
gtacaaactg taaaatgaca atacaactta cacactagca tccaatcatg aaaacccaaa 180
ctaacaagat aactgcagtt ctgagaaatc tgaaaaagat tcgaagtga agccataatt 240
gcttttaagt tctaattgct agaacgcaac tccggacgaa caaagtctgc atctggtggc 300
acagaaatgt ctactgtggg tctcagttca gcgcnaactt taatgggtcc gtgcactggg 360
tctgacagga agttgctgat taagtccctg ttacaggagt tccattgtcc acagccacca 420
tggcctgctg ggtaggatg tagtcaaac gtggagccca tttcctcgaa cccaacctag 480
ctgtggttga acagttatca accatgaaag aaacaccacg agcatgcatg aaaggattca 540
aagagtcaac tgcctcgatg a 561

<210> 10394
<211> 585
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220114g07a1

<400> 10394

cgctacctag ttggttcctg tcttgggacg aacaccagca ctgcctcact cttttcttct 60
aactgcgacc acatgcagac ctgataagca ctctcgcatt tcccaactct ctcacaccgc 120
caaatttctt ctctctctct ctctctctct ctctccattt gttttcgttt tctttttcgt 180
gtggaatttg caatctccca gaaaccctat ccaactgattc ttttcccatc aaactcgata 240
ctcaattcga ttaaaccggag ttaggggtttt gattctccgc aaccgttggtc ataatttggg 300

ttcctgcacc ttcaatatcc tctcctctgc aacogaataa gtgttctctgt ttaggttttg 360
 atttgggact aacgcaaagg atgtatgctg atcgggtgga gagtggaact cggagatcag 420
 tgaaggaacg ccttgatggg aatttttagca ctgattctac tcgccaacac agaattacgg 480
 gaaagaggca gaggggaagat gacaagtgga aacatgatct ctatgaggat gatgaacccc 540
 agctctctaa tcgcagggtc actgctcaag atcttcgtct gaagc 585

<210> 10395
 <211> 541
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114g07d1

<400> 10395

caaaaggaat tatgattata ttcacaggag caatcactct attttaagat gcattctcat 60
 caaaccagct ttcattgcttc ttttttgtct tttaaatatt aacagcttgt taggccactt 120
 ccagcaatgc aagggaggag acaagattaa aaatggtaat aaaagcacca aaaggatttt 180
 tagaaaatta caggcaaagc ttgaccaagt gcaaagtata aacataagcc tctaccaata 240
 tgtgttgggt attatagtaa tacaagacca aaatatcatc ctttagactc caaggctaaa 300
 agtatcttct ttcttgggtcc cattgggtata cccatggcct tgagatcctc atcagtcata 360
 tgattgagtg cagtcataatc aacttcttca gcctgaaaac ctatgagata cttttcgaga 420
 cccaatgact gcaaaaaatc atccagtga ggcgcagcct ttcgggacaa ctttttagta 480
 gctgatcttt tgatatgtac tgcaggctca acatcaatac ttttactgct agctctagca 540
 g 541

<210> 10396
 <211> 459
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114g08a1

<400> 10396

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 ttttaacatac aatctttcaa gtacacctcc ccagcttcca ttttaagaatg gagatcacta 120

gaataggcca atggttaagt cttctgatat gtgtactact attactgcag acagaagggg 180
 ttcctgtggg aatcactttt gttgaaaatg cagtggcaaa aggggctgtt tgtttggatg 240
 ggagtcctcc agcttaccac ttccacaggg gatctggagc agggattaac aactggatag 300
 ttcactttga gggaggaggg atggtgcaac aacgttacta cttgcctttt ccgtagggac 360
 actcgattag gttcatctaa gaaaatggat acatcacttt ccttttctgg gtttttcagt 420
 aacagtaaaa agttcaatcc agatttctat gattggaac 459

<210> 10397
 <211> 466
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114g08d1

<400> 10397

attagaatta cagatatacc ctttattgat aataaaaatg ttatgtttac atggtagaca 60
 attatcatcc tttatcaggt tgcctaccct tacactttgg aaccttttaa atcatcaatc 120
 acagcttggt ttttgttgat gcaacaatcg aaccataact ttgatgggtt gagatctcaa 180
 accacaaagc catgagtga agtgacacat ctggttcaat aaaaactaga taactaataa 240
 agtatagttt gtatgaataa ataaatgagc atactctttt aaatgaatct atacgtctgg 300
 acgctcattc tgatcaaaaa tacgattatg gcaagtaggg ttgcaagggt aggcacaatc 360
 tatctcacgg aagggccttc gatcataaaa ccaatcaccc actgcctttg caattgatgt 420
 cttggccacc actggggagt catttctcag ccatgtctct tgtatt 466

<210> 10398
 <211> 496
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114g09a1

<400> 10398

ctgaacatta caattgaagc aatttaatgc cataatttac attcactgat gacagcaaca 60
 gacattgact caccaatatt agaattttta gagggttaata acaaagtga cattatatgc 120
 atacaaagca ccaatgaata agccccttaa ccaaaaaagg caagtctttc aaaacatcaa 180

aacccccaac attctttttc caacttgaca tgaatattca catatactaa gcctaaattt 240
gccatcttcc cacttactaa tttattaaag aaatctgttt aggtcttttt ttttctagca 300
caattaatgc ctggtggtgg tgtctctaca aattaagtta caattagcta gtgtctcaca 360
tctgataaca tgaaacttac cccagcccaa atagaccaac tttcttccca caaacaattt 420
gaagcaacaa gaaggatcag catttggtg ctgctgacaa acaaacgcat aaccacagga 480
aagaatgtca aaagtt 496

<210> 10399
<211> 524
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220114g09d1
<400> 10399

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aaatttccca caataataat ccaaatgtcc cccaaaaaat acaagcggca ataataacaa 120
atccgtgtct tttaaaaaac aaaaagcggg tcgatctatt tcggatcgat ttttatcaac 180
gaaccgcgca tccgtgacgc gtgaaccoga tccgcgaccg gtccaaatcg aactcaaaca 240
agtacccttg ctgcatcaga ttcccaatca ccgaaaaccc cgaatccggg cgaaccgggt 300
gaaccgcaag aacttaact ccctccgccg gttcaataaa ataattaccc accggcggcg 360
acagaaccgc tttcccgcg agccggaatc tcagccgcgg cagcttcggc ctgccacgc 420
cggaacatt aacacaaagg tcgaaccca gcgcggcagc gctctccacc gccggaagcc 480
tcacgcgcgg tcggaacgcc gcgaggatct tcccgtgaag cggc 524

<210> 10400
<211> 560
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220114g10a1
<400> 10400

gaacatgaaa tttttctgaa agccaaaatc aactaatttc agaattcaat ctatcaaag 60
caatatcaaa ctataactcg tccacaccat ctcaaacata gctatgctcc cagattctaa 120

tcaaagttct taccattgaa aacaactttg ccagtacata taggaaaact aacgataaag 180
 aaaaaagaaa agtaatagtt accaacttgg ttttgcaaac aaaataaaga acatcacaaa 240
 acaggctctg ctatgattga tactactagg gggctagcat tctctccat tacaaccgat 300
 gaatctcaaa attgaaatcc ctgacatcct tgataaaaat taaactagta gaagaagccc 360
 aataccttac caccaacatt tttcctccta gcctcttcat gatccatgat gccagcagag 420
 gtagtcaata caatatacc aaactgtctt gaggggagaa gcctagcagt ccaaccttca 480
 atctctttga cgccacatc aacacgggga ctaataaccc cacacttggt cagtctaccg 540
 ttcaattcaa ccacgatttt 560

<210> 10401
 <211> 486
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220114g10d1
 <400> 10401

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 ttattaaatc atcaaagaa ttattcgaga ggaactaata attattcagt gaatagtatg 120
 attcttaatt gaaccatata actctgcaca gtgcacaaaa tgcagaattt ttacaaactg 180
 caaacatcaa ggttcaagtg gcttatcggt tctctgcttg tagaagggtt cataagtctg 240
 cactcttggc tttgattctg gtaactccaa ctcttgcta aagccatcag tcactctgac 300
 gaaatcattc atgtgaactt gtttccattc ctcaaaattc cactctgcat ataagttagg 360
 atcattgggg tggctccaaa cataagcgca aacttgtaac ttttcagact tgtccttcaa 420
 ggaaacctca acatcagttc tagtatattc aacatcctca aattcatcta aaatatctag 480
 ttctac 486

<210> 10402
 <211> 444
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220114g11d1
 <400> 10402

aacacgacga taaataatta atttattcgc atcaagctca ccattcaagg aattatgtta 60
 caacaaaata aattaaatgc catctttcga tacaataata tcattcagtt aagggcttaa 120
 catgggaata agcaacacaa agaacgttaa tatttttcca attagcacag taaaagctga 180
 aaaaagatcc tgggcacccc ttggatatac agttccagtc ttggtatcct tcagtttgat 240
 gctggaagag caattgtaat caggccatcc aatgctcata ttggcaagat catatttgaa 300
 taatttggtt gtcagcacca aatctccgag aagaattagg gcctttccat ccttaatttg 360
 ggccgaactt tttttgccag ccatacacc acatgtcttc cttttttggg cctgtgattt 420
 gactgctgtc agccttttta cttt 444

<210> 10403
 <211> 395
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220114g12a1
 <400> 10403

agaactcaat acatgtttta ttattattaa ctattttaac atgcttttga ttgaatgggc 60
 ctattaactc aatgttcacg caagaattcc caagagaaga ggagtagagg cttttcatag 120
 aaaacctgac caacatttaa tagactctca tgaggaaat tgaagatcac acttttttcc 180
 ctgcatactc tcccagagaaa tgcctatata taatcaacag ctattttctt gtggaatctt 240
 gaatcccttc ttgccctgac aactgggttt tctaaaatgg gaaccacccc agcattcctg 300
 cagttgttta agaacttaac ttcattgacc tcggtggggg tgctaacatg acccgaggat 360
 tgaatagttt cattaatgtg caatggagat gagac 395

<210> 10404
 <211> 482
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220114g12d1
 <400> 10404

caaatgaaaa tcttgggtata catataatct taacacaatc taactacaag tagtatatca 60
 actccaaatt acgggatttc gttaaaaaca gttttatcct aagcccgtta ctttaagccag 120

ggaagacctc agtttaccca caaggggtaa gtttcttatt tccagcacca cgtggattat 180
 catccttcca gtcaccccaa gcccttgctt tctcctgtgc agcatcatca tcttcatcat 240
 catcggcttc tcttagcttt gacttcctat cattgtgcca agatgaattg acttcttcca 300
 tgagtttgac atttctctct tgccatttgc tcattatttc catttctttt agccccgcct 360
 cctcaatgct catagctggc atcctatgac taggttgga gacctgagct gccattcttt 420
 ctctctcagt tgctatgttt ccatttaca ggctagctgg tccaaatatt aggggttgat 480
 gc 482

<210> 10405
 <211> 593
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220114h01a1
 <400> 10405

atcgagataa ctagaaacag tgtgatgaaa atgaaggctc ttgttttctt cgttgctaca 60
 attttggtag catggcaatg ccatgcgtac gatatgttcc ctctccgaat gaacactggc 120
 tatggtgccc gtactccgga ggtgaaatgc gcaagttgga ggcttgctgt ggaagcacac 180
 aacatctttg gctttgagac cattcctgaa gagtgcgttg aagcaacaaa ggaatacatc 240
 catggcgaac aatatagatc agactccaaa acagttaacc aacaagctta cttttatgcc 300
 agagacctcg aagtccatcc caaggacaca tttgtgttca gtatagatgg caccgtactc 360
 tctaatatcc catattacaa aaaacatgga tatgggggtg agaaatttaa ctcgaccttg 420
 tatgatgaat gggttaacaa gggcaatgca ccggcactgc ccgagactct taagaattac 480
 aacaagcttg gtgtctcttg gcttcaagat tatattcttg tcaggaagaa cactggacan 540
 acaggccgta cagaagcaaa cttaaagaag gcttgctacc acacatggga aaa 593

<210> 10406
 <211> 408
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220114h01d1
 <400> 10406

gggaaaacag gggccaaaat tttttaaaccc ccccaagaaa aaacccccca aggggaaccc 60
 ctaaaaaaca ctgggcaccc cccgcgaaaa aaccaaaaag ggaaaccggg cccccctttt 120
 aaaccccttt tttaaccaa aaaagaagg ggcccacccc aatgggggaa aggggaaagc 180
 cccccgaag ggcaccccg ggaattggaa acccaaaggg ccccttttcc cccctggggc 240
 cccccaggaa aacccccct tgggccccaa aaacccccaa aatgggggac ccccccccta 300
 aaaaaaaccc ttcccgggg gattatgaaa aaaacccctt taggggggaa agaccctggg 360
 ggcccccgag aaaaaaaatc cccccgggg ggccccccc cctcttta 408

<210> 10407
 <211> 202
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220114h02a1
 <400> 10407

cgcaacacaa caaaaaaaga caaccagag agcgcgtctt aataaacgct cttctctgaa 60
 aacccccatt tcttttcttc tttcttcttc tcttctgctt ctctgatctt cgatcttcgt 120
 cgctgaaaat gagagagtgc atttcaatcc acatcgcca ggccgggatt caggttgga 180
 acgcctgctg ggagctttac tg 202

<210> 10408
 <211> 573
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220114h02d1
 <400> 10408

aaaactctaa atttcaccaa gcaatttcaa ataatgttt tcaccacact tcacataaag 60
 ctccaaaagt accggaacaa ggcaagttcc acggaaagta caacgatata cagagcacga 120
 gaagaaaaac aacacagaaa gtaacataat agtgcaaact tctaatacata atcctctcct 180
 tcatcaccat cttcagttgc ctctgcacca acttctcat aatccttctc cagggcagca 240
 agatcttcac gggcctcaga gaactcccc tcttcatac cctcaccaac ataccaatga 300
 acgaacgcc tcttggcata catgaggtca aatttggtt cgatgcgaga gaagacctca 360

acaacactgg tggaattgga gatcatgcac acggccctct gaaccttggc aagatcacca 420
 cctggaacaa cagtcggagg ctggtaattg attccacact tgaaccgggt ggggcaccag 480
 tcaacaaatt gaatagtgcg cttggtcttg ataattccaa cagctgcatt aacatcttta 540
 ggactacgt cacctctgta catgagacag cac 573

<210> 10409
 <211> 423
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220114h03a1

<400> 10409

caggaagacc actgtatcaa caggctgtaa ctgctaccaa cttaaagctt gctggatact 60
 acaaatggga aaagttaatt accaaggata cagataaata caatggtaag acagcagtta 120
 catacaaac aactgagagg cagaagctgg aggaaaatgg atacaacatc attggaaaca 180
 ttggagacca atggagcgat atattaggaa ccaacacagg ccttaggacc ttttaagttgc 240
 ctgatcccat gtactacatt agttgaggtc tctaggctct tatgaatgaa atgagatatg 300
 tagtaattaa taatggagag acttaaccta ggggcactcg ttattgctat gtttcatatg 360
 tatgtgactt tgtgtgagac agtagttacg tgagactgca caagcacaac ttaacgttgt 420
 ttt 423

<210> 10410
 <211> 464
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220114h03d1

<400> 10410

aaaacagaag cggaagtttt ggtttttgga taatcacata tgcctacaca ggggagtttg 60
 tacacatata aaacaagttc ttgagtctca aaggactatt taataaaaaat caaggggaaa 120
 ttaataccaa ttgtaaagac agaattcata accccaaaaa attcaaattt tgatttactt 180
 taaatcatcc agtttaacct catactgttc agcagtagag agaattttga caccaaccac 240
 acccctttgc catttaaaat tccccactaa cacaagccgg tcagcattta atcgggctgc 300

acgttttaaaa acccatttaa ggggggttggg ttccaaaacc aactcaacaa tttgcccttt 360
 ttttttgaaa atggttagcga ccatagcagc acattcttga agatctttgt ccaaggcaca 420
 cacaatgtca tttatttgca agttaagctc cggtaacaga ccct 464

<210> 10411
 <211> 512
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220114h04a1

<400> 10411

ctcacaattc atgagtgatg acaaattgaa gaagcacttc cgtgagtctt aattaaagag 60
 attaaagaga cacaccattc attcgtcac tcatttcatt tcaaacaatg tcaatcgctg 120
 cttcagcttc ttcacatgct tgtatttctt caatccccac atgcatcccc tcttctctt 180
 ccaaattctc ttcttcgctg acactttctt cactccaaag aggctcaaat aagagatcgg 240
 gatgcagagc catggttcaa caagccgttc aggggtgcccc tgctgcgtat gccaaagaaa 300
 tggaacgcct ttctgccaaa gaatcgcttc ttcttgcttt taaagatgca ggggggtttg 360
 aggccttggg ctccgggaag actacggaat ggcaaaagat tgatgtgaat gaaaggataa 420
 ctgggtcttga gaggtcaat ccaacacctc gcccacaaac gtcacccttc ttggaggggc 480
 aatggaactn tgagtggttt gggtctggaa gt 512

<210> 10412
 <211> 543
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220114h04d1

<400> 10412

acataacaaa gcagaatttc atttgattga atgcacaatt tcttcacatt aaaaaactct 60
 ctaatttgta caaaaagtca atgaatcctg atttctgaca aatttagaac attgcagctt 120
 ttaatcttct tcccaactcc tttctcatca attgcctatc aaaacctgat gcagccaaaa 180
 gccctctatt ttcttcagcc cttctcagaa ggtaaggcat aaccatatct accggcccaa 240

atggcatata cttgctaact tgaaaccctg cattgctcaa accaaaggaa agtgcctctg 300
 acattccata cagttgtgca aattctagct tgtggtttac ctttccaacc cccaattcat 360
 atgcttttgc tgcagccaat ttccctgatt caatattgtg agttgcaaga acaactgaaa 420
 ttgaaccggg tccattagca atcttttcaa gaagaaatga tgagcagcca ttgaagcaat 480
 tgttgttttc ttgaatggta ttgtgaattg gggatgcata cccaaatgac tcagcccatt 540
 tac 543

<210> 10413
 <211> 419
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114h05a1

<400> 10413

aagaactcga ttttcgcttg ttggtgaggt ggatactggg gccatcgaaa agagtgc aaa 60
 ggttggtctt gctgtggcct tgaaaccata gaccaagtcg ttttgtgagt gatatatggg 120
 atgcttctcg tgggtggagga taataagttg ttgtagactt tcaactttccc aatgaacatc 180
 tagtgcttca ttttggagct atatcaatct cttcatatct tgggtggactt gagtgtaaaa 240
 tcaataagca caaaaagaat ttgaatttgt acttattcaa cagatccacc cgaaagccat 300
 tgatttaggt gcatctttga gtaagctttt tgagcatgga aggtgattgc ccagcaattt 360
 ggttgtttta ggggtgtatat cgaagctttg atttagatgc ctagtaaata tttggtaat 419

<210> 10414
 <211> 419
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114h05d1

<400> 10414

attacctaatt atttactagg catctaaatc aaagcttcga tatacaccct aaaacaacca 60
 aattgctggg caatcacctt ccatgctcaa aaagcttact caaagatgca cctaaatcaa 120
 tggctttcgg gtggatctgt tgaataagta caaattcaaa ttctttttgt gcttattgat 180
 ttacactca agtccaccaa gatatgaaga aattgatata gtcctaaaat gaagcactag 240

atgttcattg ggaaagtgaa agtctacaac aacttattat cctccaccac gagaagcatc 300
 ccatatatca ctacacaaac gacttgggtct atgggtttcaa ggccacagca agaccaacct 360
 ttgcactctt ttcgatggcc ccagtatcca ccttaccaac aagcgaaaat cgagttctt 419

<210> 10415
 <211> 556
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220114h06a1

<400> 10415

gaaataatat taatatcaat ttaataagct ggtaatgtaa aatactgcta atgttaatat 60
 gaagtttgga tgggtcttatt ggcagaagat gctaggcggt gttcatcaat attctgaaag 120
 gtaaaacgat tttggttttt aatgataata taaccatgaa tctaacaatca gatattgaac 180
 gctacacatc aaaaataaat cgagccaacg catttaattg taagtgtctt catattacct 240
 gtgttctgtc acatcttttt gcataatatt ggcactaagt cttttttgat agaaattgtg 300
 aagatgtact gttatcattg tatcaactat attgtgccct tcttttttta ttgtatttgg 360
 caaacacggc tactttttctc caaataagat ggatcatttg tattgccggc tttgtgcaca 420
 attatctact tgtaagaagt ccaatttcgg gcacaacggt tgtaatgcag aaataggtca 480
 ttagcattgt aaatctncag gcgataaatg gaatatcaaa tggaagacgc cgcatagctt 540
 ctggtgtgac aatatac 556

<210> 10416
 <211> 555
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220114h06d1

<400> 10416

ggttctaaaa taattaataa tataactgaat aaagtgtcga agaacaataa ttaaattaat 60
 tcaaggaatt aaattaaaac aataattata ttgatcaact aaatctacca tatgaaaatt 120
 tcattcttta cttgtaaaga gccgaaatta tcttcacctt aataattgta gatgtagaag 180
 aataatcaga atcttcctaa atccacgtaa tttcttcgaa aatgctttgc ccaacacaat 240

gatattgtca caccagaagc tatgcggcgt cttccatttg atattccatt tatcgccctgg 300
agatttacia tgctaatagac ctatttctgc attacaaacg ttgttgcccg aaattggact 360
tcttacaagt agataattgt gcacaaagcc ggcaatacaa atgatccatc ttatttggag 420
aaaagtagcc gtgtttgcc aatcaaataa aaaaagaagg gcacaatata gttgatacaa 480
tgataacagt acatcttcac aatttctttc aaaaagactt agtggccata ttatgcaaaa 540
gatgtgacag acaca 555

<210> 10417
<211> 543
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmf102220114h07a1
<400> 10417

cttttatgtg cctggattat gctgtgtggc ctcttccaag ttggcaataa ccataattat 60
tgctctggag acaactttat ttgcctttac atgaactcta ccaattttca tcttaaatag 120
ggttattgct atttgtatgc acatttttgc ttcattaaca tatctttgct ttgttcttgt 180
tggattttta ggtttcttaa ccttcccaag gtttctgaat tttgatatgt attaatTTTT 240
gctgtagttt atttttctgc aaatagaagg caatgtagc cgcaaaagcc tctcttcgaa 300
atctctgacc ccaaataaag ctatttttagc tatataaaat attgtattca acattctttg 360
ttaacttgaa ttccacctgt tattttgtat aattgaagga cccttacaga agaaagggca 420
aagctgatat atgatttgtt aagtatgtga tatctacaca nattttcttg tatttatttt 480
ctccagctca tgtatgaatg tgatggatc tgggtctcctt cataatattt ttgtgcattg 540
gag 543

<210> 10418
<211> 304
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220114h07d1
<400> 10418

attgaaaatt atttttttaa tttttggaat ccatgaaaaa ccaaacgcca aagaacaagg 60
 cacaactggc tgaacaaaac ctaggggact aacgaaacat ttagcaatcc cacaaccaca 120
 agcaccaaag cacccaaccc gctaaccaaa acaggcggga ggaaaaaccg ggccaaaaaa 180
 ccccaaaaaca gaaaaaaaaa aaaaaacgga aaccggggaa aagcccaacg ggaaacgacc 240
 aaaaaagcaa gcaaccacg gggaacatag caaaaaactt caccggcaca ggggcccga 300
 ccag 304

<210> 10419
 <211> 330
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114h08d1

<400> 10419

agcctacaca ctggacattt tctttaaaga tgagagggga tgctaacaaa caaagtgtat 60
 gtgctaacca cttacattgg tcttttataa tgtgcagtat gaggcaacaa gggctacatg 120
 aagtcatgct tggccacaac atagaggata ttcaggacca tactcttgtg ttaaagggtca 180
 caacgacaac aacatctgcc atgagcaacg ggatcatcag ggaagacacc accatgactg 240
 tcactacaag ttgaatgcaa gtattactga ctggcgaaga gggttctcaa caagaccatg 300
 ggaattggct gagacaacat caacaccatc 330

<210> 10420
 <211> 642
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220114h09a1

<400> 10420

caacggtccg gctgtttgat ggcacctcg tanaccnagc aataccgatc tcatttcctt 60
 tggcttcagg ataggcctaa taagaaaaca aataattcca attcatatat gaacattttt 120
 gcctccttat ttcttgaaaa tgtggaattg gaattccccg aggaattccg atctcatttc 180
 ctttggttc aggataggcc taataagaaa acaaataatt ccaattcata tatgaacatt 240
 tttgcctcct tatttcttga aaatgtggaa ttggaattcc ccgaggaatt ccgatctcat 300

ttcctttggc ttcaggatag gcctaataag aaaacaaata attccaattc atatatgaac 360
 atttttgcct ccttatttct tgaaaatgtg gaattggaat tccccgagga attccgatct 420
 catttccttt ggcttcagga taggcctaata aagaaaacaa ataattccaa ttcatatatg 480
 aacatttttg cctccttatt tcttgaaaat gtggaattgg aattccccga ggaattccga 540
 tctcatttcc tttggcttca ggataggcct aataagaaaa caaataattc caattcatat 600
 atgaacattt ttgccttctt atttcttgaa atgtggaatt ga 642

<210> 10421
 <211> 443
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220114h09d1
 <400> 10421

gggccaatca gaaatacata tcacacagag aaagaataaa gatttaaaag tacatgggga 60
 tgcgatatga cagtccaggg aatcaacaaa tggaaataac agcctgttct gaaattgcca 120
 ttgaaccatg acatgttaga agcagaaccc tattgggatc tcctaaaaga ggattgcttt 180
 aagctgatct cttaaagagc ttatattctt ccaccaggc ataaatacta agacagcacc 240
 cgggcgttcc ttccgacata tatggcataa aacagcctca atgagattaa acccaatgca 300
 gtcaggggcc caaaatgcta gtgattcacg tgccttgag ctatatttct caaagcttga 360
 tttagaaaga gcattcttaa cgagagcagc gatctgggtt ttctcttcc gaggtgctag 420
 gtgcttttgt gtcttcacac att 443

<210> 10422
 <211> 306
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220114h10a1
 <400> 10422

gtggtgggtt ttacatttct tggaaaatat gtacatttta taccgtagt gagagcaaaa 60
 aaccacggaa acccaaaaaa gacaaagcca caggggagaac ggagaaacca aaaagcaacc 120
 accccaccaa gccaaaaaaa aaaaacacca accccaagaa caaaaaaagc caggagacag 180

cggagacaga aaacaaagcc aagaaaacaa gaggggaaga aaaaaaaaaa acttaaccca 240
 aggggaaggaa agggcaaggc caaggcccgga cacaaacaaa atagaatcac tggctaccca 300
 acctta 306

<210> 10423
 <211> 452
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114h10d1

<400> 10423

ggaaaaggaa ggagactttc atatatatat ttatgtgata ttgatataga aaatgaatag 60
 gaaaggggttg tacatcagtg accacgcaag aaacatgaga aatgaactag agctaattaa 120
 ttaacccttc gtctcaatct catgatggaa caattttgga gctacgacgt ggtggcactg 180
 atgatgatcg cagaagaaaa atctcttaac tggagtaagg ggggtggctta ggcataatcct 240
 tgacgattcc gcagacaagc tgggtctctg ggaggttgta ctcaccccta agggacctgt 300
 tgggagacaa gacactcacg tacaattgct gtcccaggta acgattcttt gccatctccg 360
 acctcaagtt ccacattcca gcgttgtaaa aagtcaacat gattgcggcc caagactttg 420
 ggaacacctg gatggtgtgc ctgctgacag ca 452

<210> 10424
 <211> 404
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114h11a1

<400> 10424

atctatcaac ctgtttcaat ttaaataattt ttccattcat ttttatttta ataaaataac 60
 tttattttct attttttttt caaatttttt gtttacctt ctgaccaaac acaatgttaa 120
 gaattgcaaa gaaatatcca tgaactataa ttacaaactt cctagggat tatttacacg 180
 ccccataggc cataaatggc tttatttgaa ttttatcttc ccatatctta cagtttaa 240
 actcactcaa gaatctgttc actcccagac attcacaaca ataaataact tgaataaaaa 300
 gaacatatac gaacgaagtt gtcgagcagg cagagacgag aattcacaat ttcacaccat 360

ctggacccaa ataccgtggc ttggaacttc ttgatggccc ccaa

404

<210> 10425
<211> 561
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220114h11d1

<400> 10425

catagtaa at ggctaaacaa ttcttttata cccaagcat atgaacacaa catccattcc 60
taaataacct ctaactacta accctaattgt acatcccaaa tgtaaaagcg ctactagcat 120
gtttggataa tacataagaa tcaattctac cccacaaaat catggtgata ccgataccat 180
gaaaaagtag aagcaactat ttgttgcttt accttcacca tgaaaaatta attgattatt 240
ttttaccata aaactaatcc aaacgcactt ttatactagt aatcactac tgaagagacc 300
cctttatagt ttatagtgt tcaaggaaac cagtttttga gagtacatca ttccttactt 360
tgctaagatc cctacctttg agggttctcc cagcaccttc taaaacagaa aatgaggaaa 420
tccgactcct tgcaagcctt ctggcataaa ctcatgtgga ggaagctggg aatcactctc 480
atcattttcc tctccatcct catcactatc cccaccatag gtagcagcac catcaccatc 540
atattcatca tcaaaccttg a 561

<210> 10426
<211> 526
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220114h12a1

<400> 10426

gaggcacgag ataaccaatt tttaccatat atatatagag agagagaata cgaagcacac 60
tgatcacagg atgatgetct ctttaagtag ggaagcagat cttatcagta cacataggta 120
ggttgaaatt ctagctctag caatctagct agagaaggta gtacttgcac aacacacagc 180
acatgataat ttattttata cacaatctca ttctcatggg gctcaagatg catggactaa 240
ttaagcaaca atgttgggtc gataggcagt gtccacagat aaattgggta cccataaaat 300
ggccttgctt ccaaggaaat ggcaaacagg gtttagttcca ggatcaactc ccataagttg 360

atgaagcatt tgatgattca ttccagaagt atttgagtgg caaatagcaa gtgcctgagt 420
 tttggttcca tcaccagcca ccaatggaac catgaaagct gttgtttcac ggacttcatg 480
 gcaggaaaat actgcagttc tgaaatttag cctatgacac atcact 526

<210> 10427
 <211> 556
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114h12d1

<400> 10427

gtaagaacgc aacatttcaa ttttgaaatc aatgaataaa gaatcgtcta aatgtgtaat 60
 gtcctacaaa gcatgtgcc tgcacctata caattgtccc tcatgcttaa taatgaatca 120
 tcttatatac tcatttgagg ttaattacgc tatatgttcc caagagtaac aaccgagcag 180
 ggaacaaaag caacacaaac aaatgcatat gttgggatgt aacaacccta ctgaaccttt 240
 tcagggattc tctccctgtt tgtatcacgc cggagaaggg tgactggcgt tgaccacat 300
 tgattgatat catggacctc ccagcaacaa tgctgggtatc aactccacga ggtaataaaa 360
 gaggccacca caccttgccg cgttgctctc tcttggcttt acggatctgg ttaagttctt 420
 ggcggtatcac agttctcaca gattttaagt aggaattcat gtcatgatct ctttgtacac 480
 tttctccaga tccataagca gatcggtcac ttaatatctc aagtggatga agtgagttca 540
 agaagaccat ctgagc 556

<210> 10428
 <211> 576
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220115a01a1

<400> 10428

ctcgtggtag agccttggtg atgtccctct ctagtcattg tcgttctcgc cgttgccgat 60
 cacgttctct agttgctaga gccacaaaa aagggtgcag taagcaactt ggaggttcag 120
 gaagtaacaa cctttagat actgctatat tgcgttccgt atctgtgtgt ctgagcgtga 180

ctcaagcgca gctccatatac tttctttgag attgagaaac atgaaactgc tgtttctcgt 60
 tgggtccagag ctagaactag agctgctaag gttggaaaag gtttattaaa agacgataaa 120
 gctcaaaaac ttgctttaca gcaactggctt gaagcgattg acccagcca tcgctatgga 180
 cataatctac acttctatta cgataggtgg cttcagtgtc agagcagaga acccttcttc 240
 tactggctag atataggaga aggaaaggaa gtaaactctg agaaatgccc tggttccaaa 300
 cttcaaca 308

<210> 10431
 <211> 523
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220115a04a1
 <400> 10431

cgtcaacttt cgtttttctc cctctcagtg aaaattgcat ctaaagagac agaatgcaag 60
 gacctggggg tggcagggat cctttcttcg attttgggtg ttttggaggc tttggttctt 120
 ttgggcctcc caggagttaa atctcaagct tttttggggg tagggacca tttagtgacc 180
 ctttcttcgc ccaacctttt ggagggatgt ttgagtctag tccctttggt ggtcctactg 240
 gatttccttt cccactggt atgaatccat ctgggttctt tgagcatcca gccccgggtt 300
 tggatccatc tgggttctt gagcatccg gtatgcatcc atctgggttc cttgcacggc 360
 aaaatcctga gcctagtaga caaaggagg gaccaatcat tcaggaattg gactctgatg 420
 aagaaaatga tgacaccgag gagaagaaag aaaatccgag aaagcatggt aagtcagatg 480
 gtgaacactc tgttgaacat ccagatgatg aaattgaagg gaa 523

<210> 10432
 <211> 603
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220115a05a1
 <400> 10432

cattattgca atgactagcc tagaggtaat tgaggaaatgc aatgcattct acatagcagg 60

acaagaaacc acatcggttt tactagtttg gacaatggtg ttattgagta gatatcctca 120
 ttggcaagaa cgtgcaaggg aggaagtatt gcatgttttt ggtaaccaa agccagacta 180
 taatgggcta agtcacctta aaattgtgac catgatttta tacgagggtc ttaggttata 240
 cccaccttta atttattttg ctcgagcgat caagaatgat gtgaaacttg gaaacctttc 300
 cctacctgcg ggagtgcaag tttccttacc aatactattg attcaccaga atcgtgatat 360
 ttgggggtgat gatgctacag agttcaaccc agaaagattt gctgaaggag tagcaaaggc 420
 aacaaaaggc caagttgtgt ttttccatt tggatggggg tctagagtgt gcttaggcca 480
 aaattttgct ttattagaag cgaagttggt tttgtcatta ctcttacaac gcttctcatt 540
 ngagctttct cctacctatg cacatgctcc agtcactgtg ctactctta atccaaaaat 600
 tgg 603

<210> 10433
 <211> 571
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220115a06a1

<400> 10433

ggccgaggag ctctatgaga agaccgtcga actccccgac cccaactcca ccgacaacgc 60
 cgagtttcag atcgtgctta ccatcatcag agatgggttg aagaccgatc ccaccaggta 120
 ccgcaagatg aaggagcgtc tcgttggggg tcttgaggaa accaccactg gagttaagag 180
 gctctatcag atgcaggcga atgggactct tctcttcct gctattaatg tcaatgactc 240
 tgtcaccaag agcaagtttg acaacttgta tgggtgccgt cactctctcc ctgatggtct 300
 catgagggct accgatgtta tgattgctgg aaaggtggct gttgtggctg gatatggtga 360
 tgttggcaag ggttgtgctg ctgcaatgaa gcaggctggg gctcgtgtca tcgtgaccga 420
 gattgatccc atctgtgcc ttcaggctct catggaaggc cttcagggtc tgaccttgga 480
 ggatgttggt tttgaggctg atatctttgt caccaccacc ggtaacaagg acatcatcat 540
 ggttgaccac atgaggaaaa tgaagaacaa t 571

<210> 10434
 <211> 277
 <212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220115a07a1

<400> 10434

gaagaaagtc tctggcttaa aaaaacctat tcctaaactt cacccaaatac tgataaagca 60
 cggctcttcta cattttccaa ttcacaatac aattcctaca atttcaactc cataagatga 120
 tttggccgtg tcctataaaa ttattgtact tagaacgtta tcccattcta tttccaatat 180
 agctacgttt gttctaaaac atcaacgggg tttctgtaga aatcctatcg tactcttgtg 240
 cattgtatta gaatatatgc agttcatttg cctcaat 277

<210> 10435

<211> 203

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220115a08a1

<400> 10435

ctgtttccaa cttcctccat tgggaaaact tccttctcta aagattctag gaataatgaa 60
 gaataatcat gtagaatacc tctacgagga gtcctataat ggggaagtag ttttcggagc 120
 cctagaagtt ctgaccatac gtcatttgtc aaactttaaa aggttgtcaa gggaggatgg 180
 gaaaagcatg tttccccgag ctt 203

<210> 10436

<211> 550

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220115a09a1

<400> 10436

gcgttcttca atttattttc tttctgcttc tcatggatct ctctcactc tcttcatacc 60
 gcactgtcgg agtaacacct tctgatcctc gaaaatcact tcctcaatgg ggtcttcatt 120
 tcctctccta cactcacagg ctcaaccaga ttaagaaaag gtcaagtggg gtatatgcac 180
 cactatccga gagagagaga ggagagtatt attcccagag accgccaact ccgctactag 240
 acaccgtcaa ctatcctatt catatgaaaa atctctctac caatatgaac tgcgttctga 300

tggtattttc agtgtttcta gaactggggg ccatttgggc tcaagtcttg gtgtggtgga 360
 actcaccogt gcactcacta tgtctttaat gcccctcagg acaagatact ctgngacggt 420
 ggtcaccagt cttaccgcga taagatactc accggtagga gggacaagat gcataccatg 480
 aggcagacaa atggcttgtc tggcttcaca aacgttcgag agtgaaattg attgttttgg 540
 actggtcaca 550

<210> 10437
 <211> 390
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220115a09d1

<400> 10437

acttcaaaat ttcgggggat tacattactt tttcatatta tattacacgt ggggaatcat 60
 gttatgcatt gtacatcggg taaagggaaa aattgaaccc cttaatatTT ttaaaacatg 120
 acctctagtg cctctcttgt ttggcctaata atgttgaaca ctgttgctgc tatgtgagat 180
 ggtgtaagac cggctaaaaa caattgggtca gcaggggatc catgggcatg ataacgatcc 240
 ggaagaacta ttggcctcca cttcaatttg ccatctataa ggccatcaag ggccatgaac 300
 tgagcaacat gagaacccaa tcttccaatt gatccttttt caactggaat caaaacctca 360
 tgtgattttg ccaggctgcg aataaaggaa 390

<210> 10438
 <211> 563
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220115a10a1

<400> 10438

aaagaaacag tgtttcatca tttgggtttc gcagaagaga gagaaacca tttctagaga 60
 gagaaactcg cagtcgcaga catgtcttcc ttgatgcct tcgccgacga cttgaacgtc 120
 aactcttctt ccactcgcca gcacgacgat gacgaggaca acttctcttg ctacggcggc 180
 tactcctcct tcaccggagg attctccgcc gacggagatg tcgccgtcga tcaactccgcc 240
 gccgcgtcgc cggagatcta cggcttcact gattogaatc ccgcttactc tcagtctccc 300

ttcgaatcgg ccaccgtaga gaacgaaaac ggaaacggat acggcgacgg cgacgggtgtt 360
 tttgtctccg acgggtccggt gcttcctccg ccgacggaga tggagccgga ggaagggttac 420
 gctcttcgcg agtggcgccg tcaaaatgcc attcagctag aggagaagga gaaaagggaa 480
 aaagaaatga gattgaagat tattgaagaa gctgaggagt ataaggtggc tttctatgag 540
 aagagggggag ctatgttgag act 563

<210> 10439
 <211> 468
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220115a10d1

<400> 10439

aaacaactga aaattattaa acattgtatt tgtctatttg acaccggcag acagcaatta 60
 ttccaacata tactctgtct aaaaggatgt actattttaa cccatgatca ttgaatctcc 120
 acgtcataat tgtaataat ggatttaatt catacaaac cttaaagtta ataataataa 180
 aatgcaaccg ataagcatta gaaactaata gcagggcaaa aagattcatt aaagactgca 240
 ggggtggagaa aggggtggca gaagaaagat tgagggggaa ccaaagtatc atagacaaaa 300
 tcatgcagca ggctgctcct cagtggcagg agcttctttc tgggggttctt ctgtgaggcc 360
 attagaggtg gcatcctttg gctgtgaatc aggtgcacct tctgctgcag atccagttgc 420
 ttttgatgct gctttctctt ttccatcctt attatctttg gcgtcttt 468

<210> 10440
 <211> 547
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220115a11a1

<400> 10440

atcaaagaag aatatgttca atgtaatgat aaatcattgg acctcagcaa tgagaagatt 60
 gggggtcctg gatcccaagt tatagaaaat tcatgcacaa ccacagctaa tgtgggaaat 120
 ggtggagtta gaagtaagcc tactggaaag gaacagcagg tttttaggca aaagaatctt 180
 ttgaaaactc ggaaaaaatc actggtaaaa caagaggaga ataccttgca ggatttctat 240

gataattggt ctccttcagc agcaccggca aaacaatttc agaatcaatt ggcaccttct 300
 gttatacaat cttctccctc ttcaattctg gggcagccaa agcagatcca aggagctgaa 360
 accctatatac agaatatcat aaatccatat gcggcttctt ctgtgtatgg gaaccttact 420
 aatacatatac ctgctatgcc aatgctatca cagactcacc cagcactttc tgggtatgaa 480
 gtgtctcctg gtattgtgaa tctgtgaat aatttagtgg actcagtcaa gctcaaatca 540
 tgacccc 547

<210> 10441
 <211> 418
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220115a11d1

<400> 10441

ccggggaaac ccaaaacata cttaaattca aattaaaaat cgctagttaa tgtctgaatc 60
 tcaaataatg atagacataa catgaatttt gatgaggggt aggtaggat ggcaaggggt 120
 ccatttagaa atccaacccc aactttaaag cctgggtctaa gtcagtcagg caaaaactta 180
 aaatttgaca tttgataact ggctttggga gacacttttg ttgtgggttat gattaaaaca 240
 acatagccct cacaacctta agtttgggca gatactgata tacatactct ggcatgtttt 300
 aaaacagccg aaaccctaata aatactgata acatgcatgc ataaaactgg ttcccaggat 360
 ttacagggga tagttgcgct tgcttatgat ccgaatggag atttccggac aacctttt 418

<210> 10442
 <211> 650
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220115a12d1

<400> 10442

aaacctatca acaccatgcc aaactccaga ttattccatt aactggaacc caaccataa 60
 aatgaagcc atatatactc catattctat tatagtagca caataacaat aataataatt 120
 ataaatgtct tgctgatcaa ttacaccat ctctgcaaaa ggaaagtgga atttcaaggg 180

accaaaatta caggggagaa ggggaagggt ctgatgcaat aataatgtcc tctgacacgc 240
 cagaaacagg gccaggggca gctccagagc tcaccagctc aaccatggca cgacgagggt 300
 tgggtcttggtg cttctcacac agttctggca aaaacacccc tgcatacat caaagcatgc 360
 ttagttatta tctatgctaa ttagtaatta tcgtaacaag aaaaatgtaa aatttgataa 420
 ctatgtacta ttgaaatggc cattaaaata gttttataat ataaaattta attattatgc 480
 tcactgcgta aaataagttt ttaatgggtat aaaatataat agttntatat tgtaaaatac 540
 ntttgtgata aaaatttaat aattatagac cgataatata aaataattgt gtaatcacat 600
 atcgatgttg gcataattat taactattat tataaaatca ataaattatt 650

<210> 10443
 <211> 580
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220115b01a1

 <400> 10443

gcctccagtg gcatgaacaa cgccgtcaaa ctttagggta tgggtgctgaa ttggctgtga 60
 tacttatcca atctgcaata tatgtgggag taatagcaat gacgcgtttg gcaaggccaa 120
 gcttctcaaa gctatgttat aggcgctctg ataagagcat cacccttggt cataacagcc 180
 tcaaattagt agctttgtgg tgcatacctg ctgcttacgt aacaccattc tttatcattc 240
 ctcacacggt tcaccctctt ctggggttga tctgtattt gcttgctact tttgcacttt 300
 gctcaattgc aatcaatatc tttatgctac caatgttacc agttttggta ccatggcttg 360
 gaattgttgg ggtccttatg gtcattggcat ttccttggtg tctgatggn gtagtgagag 420
 cactgtttgt ctttgcttat gccttctgct ctgcaccatt tttgtgggcc tctatggtga 480
 ggatagttca aggtcttcag ttatctctag aaagggaaag ctttctgcca gcangaattg 540
 gagagtcttt cgcaaatac ggtttacaag tatatgagct 580

<210> 10444
 <211> 447
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmf102220115b02a1

<400> 10444
aagaactttg tgaagcttgt ttcttggtac gacaacgagt ggggatacag ctcacgtgtc 60
attgatcttc ttgtattcgt tgccaagaag tctctttaag gtgttacttc aaagtagctt 120
gtcttcacat tattaccgta tgtttatggt tagctgcat ttagtgtctt gctcgagcaa 180
aaaatgagag gtctgaataa atcggtttct gaaaccagtgt gtgttacttg ttggaggagc 240
attagctctt ttttggaactt ttgatgtttt ctcttggtga gggggatcga gtttttggtat 300
ttttatatac tcgctgatgt acttggtctg aatacttgct aatgtacttg ttattgattg 360
ttatagtaga tatttggtccg tccttttttt catttggtgt tctcgatat ttgatcctgt 420
ttgctttgaa tcttggaattc gtggttt 447

<210> 10445
<211> 398
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmfl02220115b03a1

<400> 10445
caaaataatg gacaagaagc ttggcatcac gtctcatgat cctgaagtga gaaaggggcc 60
atggacaatg gaagaagact taatcttgat cacctatatt gccaatcacg gggaaggggt 120
ttggaactct ttggccaagg ctgctggact taaacgtacc ggaaagagtt gccggctccg 180
gtggctaaac tacctccgtc ctgatgttag aagaggggaat attacacccg aggaacagct 240
tttgatcatg gaacttcatg caaagtgggg aaacaggtgg tccaaaattg ccaagcatct 300
acccggaagg actgataatg agattaagaa ctactggagg acaaggatcc agaagcacct 360
caagcaagct ttcagcagct ttcagcaaca gagtagta 398

<210> 10446
<211> 329
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmfl02220115b04a1

<400> 10446
cgtagccgca attgttact cttccttcgc gaagaagagg taacagcatc cgacaccagc 60

gccagttacc gttttccgcg cgcttccttc cttctcgaaa cgccgctggt ttgctaccac 120
 acctatattt agcatactcc ttogaacctc ctttttctca ccgacgcagc ttccggtttt 180
 aagagagcat gggaagggtt caggtgaata acaggggaaga attttctcat agggagaacg 240
 atgatttcag tgattcacag ttagttcgtc acttcagagg cgtgcttggt gcaccaacag 300
 ctggtgatcg agagaattac gacgagctc 329

<210> 10447
 <211> 538
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220115b05a1
 <400> 10447

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 catcggtctt ttcaacaatc caaacactag cacgcggcag ccgttcggtg ctgtctgaga 120
 acagcaactc ccagttgct tctctagaca aagctgatgg ccttccttct tggatgaacc 180
 atgaggaccg aagggtattg aaggctatgg ataacaaacc tgcacctaat gtcaccgtgg 240
 ctaaagatgg cagcggagac ttcaaaacca tctctgaatg tttaaagtct gtccctcaaa 300
 attttgaagg acgttatgtg atttttgtta aagaaggagt atacgatgag actgtgacca 360
 taacaaagaa aatgcaaaat ataaccatgt atggggattg gatcccaaaa gagcatcatc 420
 actggcaaca aaaacttttag ggacgggtgt caggactttc ctaactgcaa gttttgtggt 480
 agagggagat ggattcatag gcctagcaat gggattcaga aacactgcag gccctgat 538

<210> 10448
 <211> 253
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220115b06a1
 <400> 10448

aacaaagtca caaacgagag atattatttt tagatagatg ctctctccg ttcgctccga 60
 ggctccttga ccttccttaa cctcccactc tagcctccag aatagaccaa acacttctaa 120
 ccctcaagtt tgaagcctcg gacctccatt cccaatctta aaactccac cctaaaatgg 180

cagcaaacia caagcgtggc atcttgactg agatctgcgg tccaacaagc ccccgggggg 240
cggcacaaaa aac 253

<210> 10449
<211> 547
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220115b07a1

<400> 10449

ctttgagagt gtcctaaagc tacaagccaa ggaccaagcc aggatgcagt acctttctag 60
cttgggtggct aggaggtcca ttgtcccaat tgcctcaggg aggcaaatca cacaaagccc 120
tacttacata gtgaaggcca agattggtac ccagctcag accctcctct tggccatgga 180
cactagcaat gatgcttctt ggggtcccttg cactgcttgt gttggctgct caacaaccac 240
tccctttgct ccagctaagt ccaccacttt caagaaagtt ggatgtggtg cttctcagtg 300
caaacaggta cggaacccca cttgcgacgg aagcgcgtgt gcattcaact tcacttatgg 360
cacttcctca gtggcagcta gcctgggtcca agacacagtg accctagcca ctgacctgt 420
cccagcctac gcctttgggt gcattcaaaa ggtcacaggg agctcagtg caccacaagg 480
gctattgggc ctgggcccag gccattatc actcttgggc ccaaacccaa agctctacca 540
atctaca 547

<210> 10450
<211> 550
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220115b08a1

<400> 10450

gacgccggca atgtccgctg tgagagttca agtttcggcg tgtgcggttt ccgccaccgt 60
caaccacctt cgctccgcc aaaacgccgt cgtttccttc aggaagaaga agcctctcac 120
tctcagagt gtctcaatgt cttccgttcc tccttcccaa cccttcgaaa tcgccgttaa 180
agcttccgtc accacacca acaggctcgg cgactgcctt ttttgccaaa ggggtgctgct 240

atatggacaa tatagacaaa taaccaaacac agaatttata tgggtgtctga ttgtgggaag 180
 agctttttcca acatgtttatt cgaaaggatc ctattgggggt ccaattcctt tcttgcttta 240
 ttgtatgcat ccacaggaaa ccgcttttctt agccttttctt ggagagctgc aagctccttc 300
 ttgtcctttg gaacctcaat cttagcccag tgttcatatg cggagtaaca atcccataat 360
 tttgcctgag tcaaatgcct ataatgaaag aattcttctg ttatatcttt cctctgccga 420
 gcatccatgg taggaaggta catgattata cctacccaag aaaatatatc attctcagac 480
 ggacttgaag caggactcaa ggaacttct 509

<210> 10453
 <211> 533
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220115b11a1

 <400> 10453

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 ttcttgattt gaagattcta gacctggctc aaaataatct tagcggagaa ataccaaggc 120
 ttatatattg gaacgaagtt ttgcaatatc taggcttgag agggaacaat ttggttgggt 180
 cactatcacc agacatgtgc cagttaactg ggctgtggta ttttgatgtg agaaacaata 240
 gcctgacagg aagtattcca gagaacatag gcaattgtac tgccttccag gtcttggatt 300
 tatectacaa ccaactaact ggagagatac cattcaatat tggattcttg caagtagcaa 360
 ctttgtcctt gcaaggcaat aaactctctg gacatattca ccggtgatcg gtctcatgca 420
 agcacttgct gtccatagact tgagctgcaa cttgttaagt ggatcgatcc ctccatctt 480
 gggaaatttg acttacacag aaaaatngta cttgcatgga aacaagctga ctg 533

<210> 10454
 <211> 519
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmf102220115b11d1

 <400> 10454

acaagaattg gatttacttc acctttcaaa ttgtgatgat gatgatacat aatatctttc 60

tttttgttca aatcaaccaa cactaaaaaa aaaaactagt actaaaactt tttataaaca 120
 ttttcattaa ctattacccc tcatccattt tttcgcttct cttttttggt ttttaaataa 180
 tatacatgat tcttggactt gattttcatt tcaaaatccc cgctcactct ttcactcact 240
 gttttgagag attacttctc caaacttgag gaagagttga gcactctgagg tgctcattga 300
 ggggcagttc accaagtgtg gagtcttgag gtttgcatac tcatccacgt agcatggcac 360
 tttggcagat ggatttaagc aggtggtagt gcagctagtt gctttgggtg ggtgtttgac 420
 agcacaaggc ttccgataca cgtgtcactt cgtgcattgt cggcctatca gctggctgcc 480
 tctttgtgca taatagagca agctgataaa cctttttta 519

<210> 10455
 <211> 533
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220115c01a1

 <400> 10455

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 atgggtgctt cggcatcggt cacagaaaaa tccatccatg aattcatggt caaggatgct 120
 aagggcagag acgtgaacct cagcacctac aaaggggaagg ttcttcttgt agttaacgctc 180
 gcttcaaaat gtggatttac aaattccaat tacacccagt taactgagct ttacagcaaa 240
 tataaagaca gaggtatggt ttttttaggt ttacagagca gttggtgcac ttgcatgtta 300
 ttggattcca aatttgtgcc ttttcagtga ccaaatactt ttagttaaac tgaaggatta 360
 aaagaaatta ttaaactctga tctcacttga gaatgttttg ttggtctgat ctcaggctctt 420
 gagatactgg catttccatg caaccagttt ctgaaacaag agcccgggag tagccaggag 480
 gcagaggaaa ttgcctgtac anggtaccag gctgagtatc ccatttttga aag 533

<210> 10456
 <211> 575
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220115c02a1

<400> 10456
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 ctgtttctgt gaaatctgcc cacaagagcc aagaacagca gggatttgct gcacctccac 120
 catctagcat atcagagaca aatgggttcta ttataaacac taatgaagtt ggaaacaatc 180
 aagaaactga agccgagggc tattctatct atgtgaaagg tctgccacca actgctacgc 240
 ctgccgtctt ggagaatgag ttttaagaagt ttggacctat taagagtggg ggtatccaag 300
 ttaggagcca aaagggattt tcctttggct ttgcggagtt tgaagtggca agtgctgtgc 360
 aaagtgcact tgaggcttct ccaattttga ttaatggccg ccaagttggt gttgaggaaa 420
 agagatcaac taatcgaggt aaggagcgtt tctcatctgg cagggtcctt agcttaaggg 480
 tgaaggtgca aagggcngtg aaattacgga atggccgaag cttggcctgt gtgactttat 540
 ggcagggaga tatggtatag gaatgggcat cggga 575

<210> 10457
 <211> 500
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220115c03a1
 <400> 10457

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 cccgtggcat ggctctgccg tccgagcctc accgccgtcg ccgccacaac cacaaccaca 120
 tctccacctt tctccaatcc accgcctcca acttcgcctc tctcttcaac cccccaacc 180
 ctccctccct gactctcccg caccgcacca cctccgtctc cctccctctc ttcttcgcgc 240
 ctccgtctc cggttcctcc accgtggact cagccacttc caagcccgc catccccag 300
 caaagtcagt ccgcatcgcg cggcttggtg ccaatggaaa aggcggcggc gggccagtct 360
 tcttggggga ggtgttcagc ttgtgcgacc tctccggaac ggggtcatt gccgcttcca 420
 agcacttcgg cattcccttc atttcgaaa gaacccctga gtggctgaaa aaaatatttg 480
 caccgatcac caagagttag 500

<210> 10458
 <211> 471

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220115c04a1
 <400> 10458

gaaagaggct caagagggag cttccaggaa ggatacacag cgaatgactg gcattcaagt 60
 tagcttagct atgatgaatg aagaggagta tagatgggtca acgttttttg taagcaagca 120
 agaatcacia attggaacca tgtttctcaa atgttttggc ttcggcgctc ggggacagta 180
 tccaacggtg atagaagacg gcgctcggag acagtatcca acggtgatag aagagttgtg 240
 ccatcgattt tctctcgcag atctaaggaa atcaaccaac aatttcgatc aaaacacagc 300
 aattgatcgt ggtagagtat ataaagggtg tctccaacac aatgaagatg cttctgagta 360
 tacagtcgct gtaaagcgat ataatgcggt agaggaagaa gaagggttca nngaagaata 420
 gagttactct gtcagcttcg tcacccttat ttggtctctc ttataggatt c 471

<210> 10459
 <211> 500
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220115c05a1
 <400> 10459

ccggcggaga aaacggtcgt cgtggagttg aagaacgcgg aattgcccaa accgaaacag 60
 ggtttgatgt tgaaattgaa ttacgacgac gtccggaacg cttggtctga ccgcggaaca 120
 ccgttctccg acgacagtcc cctagccgac gtgccgggaa atgacgtcac tgcgcggtg 180
 tcgcaaattg atttgttgtg ggacaatgga ggagttagag aagctagcgt gctgcgctac 240
 aaggagaagc ggccaacgcg cctcttctcg aagaagatca ggtaccaggt caggaaagtc 300
 aacgcagatc gacggcccag aatgaaggta cgagtcagtt cacagttgag ttgaggacac 360
 ttgaagaaac ttgatttatg tcagattaaa aaaaaaaga aaaagaaaaa gggaaatctg 420
 ctttttgatt tggatgat aattggataa tgaggtgggt gcgtgcgtca cagttttttt 480
 tttttttttt gttatggata 500

<210> 10460

<211> 502
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220115c06a1

 <400> 10460

cagggtactga atttgaattt gaatgtcaat ggatgtcaaa caagatTTTT ctgctgaaca 60
 aactactcag ctacagtgtgta atacttgtgt ttcagggtca ggacaccagt tgaaaattca 120
 ttgaggggatg cgaaactctc gtttaaggat cttgacgaag tcatccttgt tgggtggatca 180
 acacgtatcc cagctgttca ggagcttgta aagaagttga ctggcaagga cccaaatgtc 240
 actgtcaatc cagatgaagt ggntgccctt tgagctgcag ttcagggtggg atttagcttt 300
 tatcaatgag gagaagggga taattataaa gggggcgaat atctttttct tctctggata 360
 gtatattatt tttgttgatt aatgcttctt attgtaattt atgttttttag gctgggtgtct 420
 tggctggaga tgctcagtgat attgtgctgt tggatgtcac ttcattattc ttgggtctgg 480
 aaactctagg tgggtgtgatg ac 502

<210> 10461
 <211> 333
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmf102220115c07a1

 <400> 10461

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 agtcatgggc aagggtcaaga tcggaatcaa cggatttgga agaattggcc gtttggttgc 120
 cagagtcgct ctgcaaagag acgatgtgga gctcgttgcc gttaacgacc ctttcattac 180
 caccgattac atgacataca tgtttaaata cgacagtgtt cacggacact ggaagcatca 240
 cgatgtcacc gttaaggacg agaagaccct tctcttcggt gacaagccag tcactgtttt 300
 tggacacagg aaccctgaag agatcccatg ggg 333

<210> 10462
 <211> 524
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220115c08a1

<400> 10462

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 ctctcctccg atccactctc aggaccaaga ctgcttcac ttttagcatat gctgtgggtt 120
 ccagaagtgc tcacgaaaat ctcttcagg ctcccttatt gtctagatca aatagcactg 180
 aggcttcatt ggcaaaggat aattcctcta atgatgtaaa aaatgggtcaa gggtagaaaag 240
 gtcatagtat gcttgctcct ttcacggctg ggtggcagtc ttctgatttg caccctctga 300
 tcatagaaaa gtcagaggga agctatgtat atgacattaa tgggaagaaa tatcttgatg 360
 cacttgctgg tctatgggcc acttcttttag gggggaagtg agccacgcct tgttgatgct 420
 gccgttgac aactaaagaa gttgccattt taccattcct tttggaatcg aaccacatta 480
 cttcttttg atctagcaaa ggaactccta gaaatgttca cagc 524

<210> 10463

<211> 472

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220115c09a1

<400> 10463

ccctttgtga ctccaaacaa agccacaca ccaacttcat ttccattcac aatgtcaatt 60
 tctccactt ccaactcct cattcccccc aaatcttta tcccccaatc ccacccctc 120
 attcccaaca tcaggcccg gctccggccc aagcctggcc catcccttc catcctcgcc 180
 gtccacgcc cagagccgc caaaaacccc gtcgtcaccg acaagcccaa gccccaagcc 240
 caacaatctg catccccggc cgcggcccg gcaaccaa at gggccgtgga cagctggaag 300
 tccaagaagg ccctgcagct gccgaatac cccaaccagg aggatctcga ggccgtcctc 360
 cgcaccctcg acgccttccc tncatcgtc ttcgcccggc aggcccgac actcgaggag 420
 cacctcgccg aggccgcat gggaaatgcc ttcctcctcc agggcgga ct 472

<210> 10464

<211> 517

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220115c09d1

<400> 10464

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atacaaacac aacacaaaat caaagtgaca accatcgatt aataataaat atgtaggaca  120
aaaaaaaaaa aagaacaaaa atatctttct cttgttggtt ttgaaggcac ttttacactc  180
ctaaaggggc aagaggttgc tgcgatctga tcctgctctt tctcaaacgc tcgggggatga  240
tgaaagcaag ctcaagagat tgggaagcat tgagccttgg gtcacagggt gtgtggtaac  300
gtgagctcaa gtcacaaat gtgaccgtcc ttgaccacac aatgcactcg gtcacattct  360
gaccgcgcat ctttagatga acccctcctg ggtgggttac ttcttgctcg tgcacatcaa  420
agaatgctct cacttcagcc ctgatgaaat cgaaggggcg agttntaaga ccacatggag  480
ccttaatggt gtttccatgc ataggatcac tgaccca                               517
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<210> 10465

<211> 408

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220115c10a1

<400> 10465

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tacgcgatcg tcgagctcat cgcgctgttc ctgagtcttc tatggcattc aatctcgctg  120
atcgagtctg acgagctcat ggcggcgtgg ctcttctctt acttactgcg agacgaaccg  180
atataatctt cggaagacta attatcgacc gcgtcgcgct tatgagtatg gcggtgctga  240
ccgtcgtgct gatgcttctc accggcgcca tcggcaacat cctgtgggcg ctgctcatcg  300
gagcggcggt gatagtggcg cacgcggcgt tgaggaaagc cgatgatttg ttcttgacg  360
aagaataggc cactggattc tgtccttccg gggctcctct ctctcgat                               408
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<210> 10466

<211> 445

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220115c10d1

<400> 10466

attgaagaac ctttttcttt ttttagcatt actaactcag tttagggaac aacatatagg 60
 aaaatgaatt tcctttttcc aaccatgttt ttttgcaaac acaaattgca aatttcccct 120
 cttataagg gcaaaccctt cttaaccgaa agaaaccaac ctgaacctaa aatcctttac 180
 tacattgccc aaattacatc ttcatatgaa gaaacaaaga attgttttca gaatacacga 240
 gtcacctggg gaaaaaactc attggccttt ttttcgccc caaacaaatt atgagttttt 300
 cttaacgcct ctttcgccat tttcaacacc gtcctgtgt gccccccga cttgtttttc 360
 tcgaccgccc cgaaaaaag cgcaacctca actgttataa cctccataac aagtggcct 420
 acgtgcctc tgattaatct ttcca 445

<210> 10467

<211> 602

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220115c11a1

<400> 10467

cgaaagggtc atagggtact gttgttttta gttattcgaa ttttgattat cgaatcgcaa 60
 aattctgaat caatcaatca gtaattagag ccattaacga ctgcaatggc ctgcgagaag 120
 tgtgagaaga aattatcgaa ggtgatagta ccagacaaat ggaaagaagg ggccagcaat 180
 actaccgagg gtggtggccg caagatcaac gagaacaagc ttctctccaa gaaaaacaga 240
 tggacccctt acggaaacac taagtgcacc atttgcaagc agcaagtgc ccagaatgct 300
 aagtactgcc acacctgtgc ttactctaaa ggagtttgtg caatgtgtgg aaagcaagtt 360
 cttgatacca agttttacaa acaaagcaat gtgtagtgga tacttgtgtt gtattgcgtg 420
 ctgtatcttc ttttagatgc ataatagcat tacctttctt tctatttgtc tagatgatcc 480
 tattgctaac aatgtaactg aagctgtata aagaagaaat acagtgaggg attttctgtt 540
 atctgtcttt tgcaatgtac tcttgcatgt ttattctaga tcaaaacata tgccatggcg 600
 tg 602

<210> 10468
 <211> 504
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220115c12d1

<400> 10468

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 atagagcagt ggaatgaatt acttaggcct tctccactt gaggggtttg accacttccc 120
 atgtgaagtc aggggtcttct ctccaaagt gtccataggc agcagtcttc aaaaacctgt 180
 tatttccacc cctcttgaga tcaagggtga tggagatcat accaggcctg aaatcaaagt 240
 ttctcttcac aatgttgaga atctccttat catggatctt cccagtgcc taggtgtcaa 300
 caaacacaga caaaggctca ggcacaccaa tggcataaga cacttgcaca atgcaccttc 360
 tggcaagtcc acttgcaca atgtcttag cagcctgtct cacaatgtaa gcaccactcc 420
 tatcaacctt ggtaggtcc ttcccgaga aagcaccacc accatgagca ccccatcctc 480
 cataagtatc gataatgatc ttgc 504

<210> 10469
 <211> 583
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220115d01a1

<400> 10469

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 ccctcctcct aattaccatc tgcacactgt cctcacttct gtcagttgca tctgcagcaa 120
 cagaggaggg acgaacaagg ccattcaaaa gggcttatgc ctttggagac tctttcacag 180
 aactggcaa caccctaaat gcagaaggtc caagtggctt tggccatgtt tcaaactctc 240
 cctatggaac cactttcttt aaccactcca ccaataggta ctgagatggg aggcttgtga 300
 ttgattttgt ggctgaagca ctttactgc cttacttgcc cccctaccgt catagcaaag 360
 gcaatgacac ttttgggtgtt aactttgctg gtgctgggtc cacagccata aaccatttgt 420
 tctttgtcaa gcacaacctc tcccttgaca tcaactcctca gtccatccaa acccagatga 480

tatggttcaa caggtacctg gagagccagg actgccaaga gtcaaagtgc aatgattntg 540
 atgacactct atttggtttg gggagattga gtcaatgact atg 583

<210> 10470
 <211> 574
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220115d02a1

<400> 10470

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 attccttcta cttctggcgc catttgcacc ttcaaaactc catctttttt ctttctctcc 180
 ttccatttct ggaaacacc tcattggaacc aacaacaaca ttgaacaaca tcatcaacaa 240
 caacaacact gttcctgcag ggtcaccacc accaccacca ccaccctcag tgcctcagcc 300
 aatgaacatg aatgtcaaca tgaacatgaa cgtgggaaac acagaaggaa caacaccagc 360
 agttccaaca ccaacacccg cgccaacacc agcaccaaca acaatgggtc ctgcagtgcc 420
 agctccaacc acaacaacac cgtggagttt ggatttggtt gggaagaaga agagagggag 480
 gccagaaaag tatgatgcag atgggaacct gagagtgagt gcaacaccac caccaccacc 540
 tggtttctact ttgtccacac cttcctctga gttc 574

<210> 10471
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220115d03a1

<400> 10471

agagaagcga ggaggagggg ggtggtttgc ggtcgagggt aactaaccaa cgctaagcag 60
 ttgttgagtt tggttggttag tagatgagcg aagtgttgac gatggcggac gtcacggcga 120
 atttgcaagc agcaaccacc gcatccacc cttacgcgct cccaccaat atgcctctac 180
 tctccgcttt cctctcttc gctctgcac agttcctcaa gatcttcacc tctgatatt 240
 catgtgtaac gaaaagaga 259

<210> 10472
 <211> 330
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220115d04a1

<400> 10472

aagtgggaga aaacagagcc taagcaagaa aagaagctaa ggtgtgagtg agcagagaga 60
 aacagggcta tcaagagaat ggccctgaac gattttttcg cgggggagat cgcgacggag 120
 cttctgaaaa tgctgacag catctccgc aagtccctcc tctgccgcgc cagcgccgac 180
 cagctcatca gctacatcca cgacctctc cccttccttg gaggaatca agtcctccgg 240
 ggtgaagctt cttgcaactgg gccaatcgaa actggaccgt ttttcgaaaa tttccggttc 300
 cgcggtgaag cttccaaca ggggtcttttc 330

<210> 10473
 <211> 552
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220115d05a1

<400> 10473

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 tatctgcgga tgctctgtct gcggacattc ctgcacttat taagagagat gaggacattc 180
 ttgcatttgt ctatagccta gtatatgaag aagaatctta tgagttcttg gactggacag 240
 tgggaacata gaacatgaat gggtttcggt tctgctcttt gttcttcata tnggggtcgt 300
 gtagccagat gatatatata atggatctga cgcgcttttt caaagtgcag aagatacagc 360
 actagatata ttggatgcat caaatgagct tgctcttttc ttagcacgag ctgtgattga 420
 tgatgtattg gctcctctga atccagagga aattagcggc ccgttgctg caagatgcac 480
 tggttgtgaa actggacgga tggctagatc acttggtgct gctcgatcat ctggtgagag 540
 actatagaga tg 552

<210> 10474
 <211> 550
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220115d06a1

<400> 10474

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 cgccttcgcc gccacaagc attccgcgcc cgacgacgt tacgtgcgg agtccatcgg 120
 cgacgatccc ctggcggcgt ccagcggcca ggtcatcgtc ggtgtcgaga gccgctaccg 180
 cgtcgtgtac cgcctcgtga acggcattta cgtgctcggc atcacgcgtc ccgaccacga 240
 caactcgggtg aacgtgttcg agtgcattca catcgtcaac caggccgtga gcgtcgtggg 300
 gacggcgtgc cgcggcgtcg acgtcacgcc ggagaagctc agccgcaagt acgccgagat 360
 ctacatggcc ctgcacatcg tctccgcgg cgtcagcaac atccggctcg ccgccatgct 420
 cgccaccatg cacggcgaga acatcgccaa gatggtccac tccgccatcg acaccgagaa 480
 caagatccgc ggcgccgaaa cctgggcctn cgggaggtgc actccctcga gcaccaggcc 540
 ggaatcgacg 550

<210> 10475
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220115d07a1

<400> 10475

agaatttgaa ggaagagggg atatgaatac aaggagctag ttgtctatth gcgataacat 60
 aacatcatca agcaggatca tcatccaac cttagtattc aaccagaga gattttagt 120
 aataattact acaacaactt aaaacaatgg caggaggagg ttatgtagat tcgggaaatg 180
 caaagcaatt tgaagggaag gtcactgcat tcgtattggg tacatgcttt gtggcagcca 240
 tgggaggctt actcttcggg tatgatcttg g 271

<210> 10476
 <211> 467
 <212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220115d08a1

<400> 10476

cttccattaa gatgggggag ttcaccggga gtggtgagta tgtgactcac ggtgaattac 60
 cttcctccag gccaaatcat tcaaggaaag ttacagttct tctctttgtg tttctcatct 120
 tctatgagga ttcagggggg cctctcgggg tggaggatac tgtgcacgca gcacgttctc 180
 tgtagccct cattggattc ttgcttttcc cattgatatg gagtggctct gaagctttga 240
 tcaactgctga gatgggtacc atgttccttg aaaacagtgg atatgggcgt tgggtttcgt 300
 ccgctttggg tccctattgg gggtttcaac aaggcttgat gaaatggctg acgggggtga 360
 ttgacaatgc attataccca gggctattcc ttgactatca gaaggcacga atccctgcta 420
 tatgtggcgg attgcccaga gttattgcaa catgggggct tactatg 467

<210> 10477

<211> 602

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220115d09a1

<400> 10477

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 tcattttcgt gatgataata cgtgtgacaa aatgggattg tcaccttttc ttttacgcac 120
 tggcaatcgg gatacttata agaataaaaa gttgatgcgt gggttatcgt ttcttgaagc 180
 agagctacag gatagagatc gagttaaatc tgggaaggaaa tcattaatca ggctaggagc 240
 caatatgcct gcaagagcag agcgagtggc ccggaggagt gatctttgatc aatacactac 300
 tgctggaatc agccatttga ccccttatcg cagtggggag acttacgatg tcattctata 360
 ctttgggatt attgacattt tgcaagatta tgatatacgc aaaaagcttg agcatgctta 420
 caagtccttg caagttgact ctacttcaat ttctgctgtt gatccaaagc tatactcgaa 480
 gaggtttcgt gattntgtag ggagaatatt catttgagag aggtagcaga tgggttaaca 540
 atgaggctgg aatattttctc tttctgaagg tgaagatgcc tgattgctca taacatccca 600
 gg 602

<210> 10478
 <211> 550
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220115d09d1

<400> 10478

aaagtagaaa aaaaaaattc tttcaactat ccatcctttg tataaacact gtacattctt 60
 ttttttgttt atttcctaca cttatccacg cattttgaat caaagctcag ggaaacaaca 120
 ctccacgttg ttccctcttc ctatctctcc caccaccata tattcaaatt ctatttagta 180
 gtaaccacaa aaatttcaac aagccccacc ccatttccta aaacaaagga aagaaaaaac 240
 aaattccgaa cttcatccca atcttccatg tacaagtttt cccatccttc agcacaccat 300
 cacaatggct gtgtttataa aattaagcca taaaaaaccc caattccagg gaacttcggt 360
 cagccatttg accgtggcga ggcattttaa ccagtcaact ccaagacctt tgacaagggt 420
 ttcaaatttc acgcattttt ttcttgatg ttatgagcaa tcaggcatct tcaccttcag 480
 gaagagaaat attccagcct cattgttaac ccatctgcta cctctcttca atgaatattc 540
 tccctacaaa 550

<210> 10479
 <211> 554
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220115d10a1

<400> 10479

gttgttaccg ttttgctttg ttgaagattt tttgaggtta ttgcggtttt cttcttttgc 60
 atgttcattt ctccgtcgat cagtgaagtg tgaaacgacg ccgtttcggt gctctcggct 120
 cgaactgatg gagtgggttt ctctgtgatc tcgaggggga gttcggcgat gtgtgagcta 180
 attcggtgcc tgggtgttga ttctgttttc ggatttgccg atttttttgc tcgaattata 240
 tgaaatgttt gattggaacg acgaagagct agctaacata atatggggtg aaggaggtga 300
 gagtgttgat catattgtgc catatccaga ggtaaatgaa gatgttagca acataaaaga 360
 gtggaatcaa gaagctgctg cgactaagct caccaagctg aagaggccag aggctaaaac 420

tgattttcat gaaagaaagc taggaagcag ttccaacctt gataatagtg gagaactact 480
 aacctcagga tatggaacaa atgcatggcc tgacttgtct ttatccactt cagctaacat 540
 tgatcagggt tccc 554

<210> 10480
 <211> 449
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220115d10d1

<400> 10480

aaagcctggt ctaagtgagt caggcaaaga cttaaatttg acatataagt ggctttgcaa 60
 gacacttttg ttgttggtat gattaaaaca acatagatac tgatatacat tgatcatgtt 120
 taaaacagca gaaaaactaa taatactgat aacatgcatg catgaaactg tttcccagga 180
 ttctacagtg atagttgcac ttgcttatga tccgaatggc tgacaataaa ataaaacatt 240
 tgcattacca ggaaatccat atatattgaa agagggaagc ataccaataa gcatagatgt 300
 attaaggaag gatttaccct tagatttcgg gacaacctct ttttttattg agaggcttca 360
 agttcatgtg tgttggtatgc atttctttgc atgtctatgc aagggttggt ttttaatttga 420
 tccatagact gggcatcaac ccaagggtt 449

<210> 10481
 <211> 475
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220115d11a1

<400> 10481

tccaatcctt tttttccatt cctactatt ccctatcatc tttctttgtg ttctcatctt 60
 tttcttttc ccaagcaatt gtacttttta ggggcataca cgtaaagcag ttggtttctg 120
 gagtagttag agttacatgt gttttgcagg cacatggcaa cacatgaaat ggatcccgat 180
 gttgttcgct ggggtcttca tctcctagat gtctgcacac tttctcacca tggttccctt 240
 agtattgtaa ctcaatatga tcttgattta agtcgagttg aatatgttac cgaaggcttt 300

tgtcagcatg agtacgtgga taatgatgag gctgttgac gagcatatca agaagaatta 360
 tcgcaacttg attccatggg agcttctggg atatccaatt ntgagaatga aggaatgcaa 420
 ggatctgtct atacacaaga ttggcctcaa tcctcanatg ggaaatataa ctttg 475

<210> 10482
 <211> 630
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220115d11d1

<400> 10482

tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 60
 gttttttttt tttttttttt tttttttttt ttataaaaaa acttaaaata aaaaaaaaaat 120
 taaaaaaaaa aaaattacac ataaaaaaca agcacatctt gatcacacag ggagcgaaaa 180
 aaacaaaaaa aaaaaaaaaa aaaaacaaaa aaaaaaaaaa aaaaaaaaaa aaaaagaaaa 240
 aaaaaaaaaa aaaaagggcc ggagccttaa ttaaccaaac aacaaaaaaa aaaggatgga 300
 aaaaaaaaaa acgggggggg aaaaaaaaaa aagggggggg aaagaagaaa aaaaccctca 360
 aaaaaaaaga aagagaaaaa gaacaaaaaa aaaaaaaacc attaatattt ttttatgaaa 420
 aaaaaagggg ggctctctc accaaaaaaa aaaaggtaaa aaaaaaaacc cacaaaaaaa 480
 aaaaaaaaaa accccccctt acctccttta ttgcgagaaa aaaaataaaa ggcgagtcc 540
 ctcaaaaaga aaaataaaaa atatttgccc cccccctac ttccccccga caagataaga 600
 aaaaaaacc cccccctc tcgtgtttat 630

<210> 10483
 <211> 557
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220115d12d1

<400> 10483

atatgactct ggtgttattt ttgattttgc aaattaaatt acacaatcac agcgtacat 60
 cacacatgag ttgggcctct tccaacttaa aagcagagga taacattggc ccatgacgag 120
 acacatgcac cacctaataa tcataatttt acatctttac atacaaaata caaagacttt 180

aaatttttaa aagaagaaaa gagataaaca gatcatctta atgaaatgaa accaaaaccc 240
 acaaacattg gcttgatttt tgttggtgtt gttgttccca acttgattaa gcatgaaccg 300
 tttgattgaa tcacttggac ttgaaggga tggccctgat tacgacctgg tggtagagt 360
 ctgcaagagc tgcaccgatg aatggtccca ccagaagat ccagtgttca tccaaccaa 420
 ggtccttggt gaagatgata gcagcaccaa gactacgagc aggggtgata ccagttccgg 480
 tgatggggat ggttgccaag tgaaccaaga acacagcgaa cccaattggc aggggtgcca 540
 aatgggacgt gggagtc 557

<210> 10484
 <211> 320
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220115e01a1
 <400> 10484

atgcgagaaa tgatatttga atgaaaagta taattgtcta tgctaacaaa gataatgtat 60
 gtaatatcca cttcccttcg tattatgtag catgttttat cggtgatttt taactttctg 120
 ttgtagtagt aggttagtag tttgagggtta tagaggttct tactcttttg tagccacccg 180
 gttgtgtaga tatatatgac attgcaactg gatcatcagg gaagtcacca ccatggcttt 240
 cttttcaact tgattcgatg tattactgac tggggaagtg ggttttcaga gaccttaatg 300
 tatatatatt ttagtttctc 320

<210> 10485
 <211> 493
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220115e02a1
 <400> 10485

tgcaaaactca ctggaaaaag tcctgaaaga agagatgggt tcagaggaaa ccaattttcc 60
 aagcaaacct tcaagaaggg tctctcatca tgttcagtct gatgctacaa gggaaacaac 120
 aactcatgct tggccacaac ataggtcacc atcaccacca ccaccatgtg ttaaaggtaa 180
 caacaacaac aactccaaca atgaaattga tgtgtccatg tcttcaggtg cacaatattg 240

ttactacatg ttggaggcta tgcctcagcc agggccaaca tgggccacaa caggaccttg 300
 tgtattggct gagccaacac caacaccatc cccatcagca ctcattgaag attcttcatg 360
 tacttgggtg ctgggatacc ttgaaggctt agatggcaat ttgaccactt tgaaattgga 420
 tccccattt gtggaaaatg ttgtgatgga aaatggtaag ggccttggt tatgaatcca 480
 ctcttgtgga tgc 493

<210> 10486
 <211> 481
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220115e03a1

<400> 10486

gggtgaaggg aaaaatcaaa tcaacatgct gagagtgggc gcaaagaggg ttttggaaac 60
 gacgttggtt ggggttaggg ttccggcgag gctgtaccac gagagggttg tggatcacta 120
 cgacaacccc cggaacgttg gatcggttga caagaacgac ccgagcgtgg ggacgggttt 180
 ggtggggggc ccggcggtcg gcgatgtgat gaagctccag attaaggctg acgacaaaac 240
 cggaaaaatc gtcgatgctc gattcaaaac ttttcgctgt ggctccgcca ttgctttttc 300
 cttcgtcnct actganntgg gtgaagggaa ngcacatgga ggaaagttct gactataaaa 360
 aatactgaaa ttgcaaagca tctttcactt ccaccagtta agtccactg cagcatgctt 420
 gctgaagatg ctatcaaagc ggccgttaaa gactatgaag ctaagcgtgc ttaggcaact 480
 g 481

<210> 10487
 <211> 519
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220115e04a1

<400> 10487

tgtgttcaag gaaagaatac tgttttttac tttgaagtgc caaaagggca tcattcttgc 60
 ttggatcccc tggtcatatg tgacactgta ctttgtgtga tatatttaaa atgtctctgt 120

agcaaaggac ggaagaatat taggcatgat gagtgatgac tggagtaggt aggatctgaa 180
 ttgttttttc tttttctttt aaaggcatcc tacatgccac atcatttctt ttttgcttga 240
 gtttacaagt tattagttct gctatcaata ttcatttttg cgtgtttgta ctgacatgtg 300
 atgctcttct aaaaatatgc agaaatggcc ttagggaacg acgcagaagc agaagttgat 360
 tttgagagtt tgggtattggg tatctgtgat tgtaagaga atagtgagat tttgttaatt 420
 tagtggtgct ttgactgaag tatgagtctg ttttgttggg caaggccctg agtttctact 480
 cttggattgg aatagttagt ttattntatg tctcagctt 519

<210> 10488
 <211> 421
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220115e05a1

<400> 10488

gaaaatgggt acttctttgt ggactttgtg ttttaatttg gcttgactag cctcttttgc 60
 atgatgggcc tttccacaga cgccagtagg atgttccatt ccgcagaaac tacgtaccca 120
 cttgggcttt tgatcacatc taatccttca gtggaggatc tgaaattcaa ctttatctag 180
 acaagttcac tggctctgac ttccagacta aagggtcata ctgatatggc cacttaagaa 240
 tgaacataaa gatggtctct ggcgaaatcag ctggcacagc aactgctat ttatctatct 300
 acctacaatg cgagagcacg acgagataga acttgagctg tagcggaaca caacacgacg 360
 accttacatt ttgcaaaca atgtgcatac cgcattgcgc ggtgacagtg agcatagaat 420
 c 421

<210> 10489
 <211> 585
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220115e06a1

<400> 10489

ggaatctttg caaaaagatg gccctcctc ttgtgacatt actctctgca gaacctgaga 60
 tacaatatgt agcattgcgg aatatcaatc ttatagttca aagaagacca acaatacttg 120

ctcatgaaat taaagtgttc ttctgcaagt acaacgatcc catctatgta aaaatggaaa 180
 agttagaaat tatgataaaa ctagcttcag accgaaatat agaccagggt ctattggaat 240
 ttaaggagta tgctactgaa gttgatgtgg atttcgtaag aaaggctgtt cgagcaattg 300
 gtcgttgtgc catcaaattg gagagagcag ctgaacgatg cattagtgtt ttgcttgagt 360
 tgataaagat aaaagtaaata tacgtgggtc aagaggcaat cattgttatc aaagatatat 420
 ttagaagata ccccaacaca tatgagtcca taattgcaac actttgagag agcttagata 480
 ccttgatga gccagaagct caggcatcaa tgatctggat aattggcgaa tatgcggaaa 540
 gaattgacaa tgctgatgaa cttcttgaaa gtttcttgga aaatt 585

<210> 10490
 <211> 282
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220115e07a1
 <400> 10490

cttgggattc ggctcgagct cgtacaacgt gctagcgatt acgtatgatg atcttgttcg 60
 gagatcaggg ctccggacaa tggagcgatg acttattctt gctcacctat attgccaatc 120
 acggtgaaag ggcttggcac gtttgggcca atggtagggg acgctatcgg gccgtagaga 180
 ggtgaccagc tgctggtcta ttctaccttg gtctgatgg tagatgaggg aataatactc 240
 ccgatgaaca ggttttgttc atcggactcc atgcatggtg gg 282

<210> 10491
 <211> 257
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220115e08a1
 <400> 10491

gcctggctct gtctctgtct ttgtgttga tgctgacgat tccgaaccag cgaccttgtt 60
 cgtttgtcgc aaagttcaag tgatcatggg taaggacaag actcacatca acattgccgt 120
 cattggacat gtcgactgtg ggacgtcaac taccactgca catttgacct actcgctggg 180
 aggtatcgcc gcgcgaggga ctgagagggt cgaaattgcg gctgctgaga agaacaagag 240

<210> 10492
 <211> 586
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220115e10a1

<400> 10492

gtactgtgga aatcattaca tctgtttaac tcattaggaa gggagacaag gttggatcct 60
 ctgaagctgc attgcttgcc aagctaggca taaggccctt ctcatatggg cttgtgggtc 120
 tctctgttta tgataatggg tcagtgttca gccctgaggt tcttgatcct actgaggatg 180
 acctcattgg gaagtttgct gctgggtgtc caatgggttac ttcactttca ttggctatct 240
 catatccaac acttgctgca gcaccacaca tgtttgtcaa tgcctacaag aatgttcttg 300
 ctgttgcggt tgagacagat tattctttcc cggaggcaga caaggtcaag gagtatctga 360
 aggacccaag taaatttgcc gttgcgcgcg ttgctgctcc tgctgctgca tctggagctc 420
 cagcggctgc agccaaggag gaggaaaaga aggaagaacc agctgaagag tctgacgatg 480
 acatggggtt cagtctgttn gactaaattg aatcaatact tttgttgagt ttgctttgtt 540
 agaaatgatg aagttgtctg gcttttcatt taggtgctat tttagt 586

<210> 10493
 <211> 529
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220115e10d1

<400> 10493

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 cttgatttaa aaccataaga gacaaaaatg ttaaagcttt aattaactat gggatttaaa 120
 aactagttgc aatgtaacat gaattgaaaa gacagcaaac taaaatagca cctaaaaatga 180
 aagacaaaca acttcattaa ttctaacaaa gcaaactcaa caaaagtatt acttaattta 240
 gtcaaacaga ctgaaaccca tgatcatgct agactcttca gctgggtcct cttctttttc 300
 ctctccttg gctgcagccg ctggagcacc agatgcagca gtatgagcag caacggcggc 360

aacggcaaat ttacttgggt ccttcaaata ctccttgacc ttgtctgcct tcgggaaaga 420
 ataatctgtc tcaaccgcaa cagcaagaac atttttgtag gcattgacaa acatgtgtgg 480
 tgctgcagca agtgttggat atgaaatatc ccatgaagtg aagtaacca 529

<210> 10494
 <211> 599
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220115e11a1

<400> 10494
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 agcatccggg ttttgttgca tttgtccaaa atctgcagcc ccagttcaat atgggtgacat 120
 ttaacacaat tcaaggagac tgtgttgcaa cttacctgat ggaaaagcaa tgtgttatga 180
 agtattttga tggattacct ggacgtgtgt gtctcacact ggacgtttgg acctcaagcc 240
 aatctgtggg gtatgtgttt attactggac attttgcga tagtgattgg aagttgcaga 300
 ggagaattct gaatgttggt atggaaccat accctaattc tgactctgct ctcagccacg 360
 ctgtagctgt ttgcatttct gattggaatt tggagggcaa gctgttttct atcacttgtg 420
 gtcagtcact gagtgaagtt gtccttggga atctcagacc gttactcttt gtgaagaatc 480
 cacttatect caatggtcag ttgctgattg gaaatngcat tgcccgaact ttaagtaatg 540
 gtgcaaatga tttgttgagc tcggtgcac tcacagttaa aaaaatccgg gatagccgt 599

<210> 10495
 <211> 457
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220115e11d1

<400> 10495
 ggtgaaacaa aaaaaggaaa ctagaattta aaccttcggg gccaaattta cacattaaat 60
 gtcaccaaag ttgcctaaca aagaactggg accttcagat aaaatacaag aacctcccca 120
 cataacgggg cccccccct aaaagaagt ccctgaataa aattttaaac tcccttttcc 180

ccagcccatt ggaagctttg ggtgctccat actggatcca gttttttgca catacaaggg 240
 cccccactgt ttttggccgc agggaaacttt tatactgaac cttttttttg actttttgttt 300
 caaaaacaga ttctggggga aaacttgaaa ccggaacaga cagtttttttc ccagccattt 360
 tggaaagaga aggggccttg agtttgttta gcttccacca acccaatata ttaaagtttg 420
 gaacacgtgg caacaaggat ttttccaaaa actgggc 457

<210> 10496
 <211> 536
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220115e12d1

<400> 10496
 aaacaccaat ccatttcttt ctttgaagac ataatacaaa aaccaattac tgaagtttat 60
 taattcaatg aggtcttcct caaagaatta atccagagta aaagccatgc aaatcacatg 120
 acatttctca gtacttgta gctgctggag attaateccc attctgcaat caacacatat 180
 ctttacattt cctcaaactc gttaataata aactaaaact ccactaccaa tgaaacatat 240
 tcatgaacct tttattcact cacgctgctt tggcaacatt gaactactat ctgacacagc 300
 aacattacct tggttctcca catatggcct aatgaagggt ctcctccacc acacctcaaa 360
 tgccctttga agattgggac agctatcacc agttttcaag aaactcccca accatgaaag 420
 caaaatgctt tgttgatcct caagaggcaa ggtgagaata gtctcccaa ttccttcctc 480
 cacaagtttc ctatcaaag acctgcatcc atgctgcagc cagttgtagt cattca 536

<210> 10497
 <211> 292
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220115f01a1

<400> 10497
 gtccttgaag gatttgaagc tcatggaagt gaagaatgga aggttggcta tgttggcaat 60
 cttgggttac tttgttcaag ctcttgacac aggtgttggc ccatacaaaa acctcctaga 120
 tcatttggct gaccccgctg acaacaacat cttgaccagt ctcaagttcc actgaatgta 180

ttatatgtta ttttacatat tctttacgtt gccaaaactc aactaccttt ctacctttct 240
 atatcatgtg gacattttgt tccttggtgt ggcgctgtaa gaaatgacat gt 292

<210> 10498
 <211> 89
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220115f02a1

<400> 10498

ttcattacat agccagaggt ttttttacca taacaaaatc atcaacaaac aggcgggaaa 60
 aaggtaaacc tatcgaccgt gaccgcaga 89

<210> 10499
 <211> 387
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220115f03a1

<400> 10499

tttgtcccca atttaactat tggcgctcca gttattgaaa gtttgagaaa gcacacaaag 60
 ggatatttgg attgtcacct tatggttaca aatcctcttg attatgttga gcccttggca 120
 aaagctggtg cttctgggtt tacatttcat gtagagacat caaaagataa ctgggaagaa 180
 cttatccaaa gaatcaagtc acatggcatg actcctggtg tagcattaaa gcctgggacc 240
 cccattgaag aggtttatcc tctgggtggaa gccggaaatc ctgtggaaat ggttcttgtg 300
 atgactgtag aaccgggatt cggaggacaa aaatttatgc cagagatgat ggataaagtc 360
 acgtatactt aggaagaagt atccatc 387

<210> 10500
 <211> 471
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220115f04a1

<400> 10500

aacagctacc acacatanat tactaacaag attaaagtac gcatactctgc acctacgctt 60

cgagcaaac gataagataa agttacaaat ataattcttat tttnnnnnttt gnnnnnaagg 120
 gngatcgctg gtaaccaaga cgaannntgn nggcacacgc acgcgaacgt aaaattcgaa 180
 ttgagctcga ggcgaactta aatatagaca ttttatgttt ctcaaggatc actactcact 240
 ctgttatacc gcactgtcgg agtaacacct tccgatcctc gaaaatcact tcctcaatgg 300
 gggcttaatt tcctctccta cactcacagg ctcaaccaga ttaagaaaag ggcaagtggg 360
 gtatatgcat cactatccga gagagagaga ggagagtatt attcccagag accgccaaact 420
 ccgctactag agaccggcaa ctatcctatt cataagaaaa agctctctac c 471

<210> 10501
 <211> 609
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220115f05a1
 <400> 10501

ctctggaatg ttcatttcca agaacaagga tcctattggt gctgggtattg aggacaagat 60
 ttcgtcatgg acctttcttc caaaagaaaa tggcgaagat atacaagtat tgagatatga 120
 gcatggccag aaatatgacc cgcattatga ttacttcact gataaagtta acattgctcg 180
 ggggtggacat cgcacgcga ctgttctcat gtatctcact gatgtagcca aaggcgggtga 240
 aactgtcttc ccttctgcag aggaacctcc acgtcgcaga ggtgctgaaa caagcagtga 300
 tctttctgaa tgtgccaaga aaggaatagc agtgaaacca cgtagagggg acgcacttct 360
 tttcttcagt cttcacacaa atgctacccc agacactagc agtctccatg ctggatgcc 420
 tgttatcgaa agtgagaaat ggtccgcaac aaagtggatt catgtagact cgtttgataa 480
 gactgtggga gctggaggtg attgttctga taatcatgta agctgtgaga gatgggcttc 540
 acttgagaa tgcactaaaa atcctgagta tatggatgga tccttagaca ttcccgggta 600
 ttggtaggg 609

<210> 10502
 <211> 471
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220115f06a1

<400> 10502

ctcatctgct tcccctagca accttcttct tacttctctc cgcttcttat ctccagattg 60
ctggggcgga agcacaaccg ttgactagtc tcaagcttaa ctctcatatt cttcaggagt 120
ctactgctaa agagattaat gaaaatcccg aggcaggatg ggaggctgct ataaatcctc 180
gtttctccaa ttatacagtt gaacaattta aggccttctc tggagtcaaa ccaatgccta 240
agaaggaact tagaagtaca cctgctatat ctacccaaa gacgttgaaa ttgccaaaga 300
atcttgatgc gaggacagct tggcgcagc gtagcactat tggaagaatt ctagatcagg 360
gtcactgtgg ttcttggtgg gcatttggtg ctgttgaatc attgtcagat cgcttttgca 420
ttcattttga tgttaatatc tctctctctg gtaatgacct tcttgcatgc t 471

<210> 10503

<211> 555

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220115f07a1

<400> 10503

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atcatcattc agaacaatta gtgcatcacc ctcttcaac tgaagaactt tatttaattt 180
gctcctaaaa tattttgtca gaggatgtgg tgcagtaatc ctttgccatt ccttctttat 240
ttttaagctt acagcatctg caatcatctc ttattattac ttcaaagtgg cgatcacact 300
atcattcatt cagctgatct tgaagatttt gtggcaggca taaaacctgc aatgagatgg 360
ctttcttccc agcaaatttc atgtccaaa cccctacca tgatgatcac catcatcacc 420
aacctccacc ttctctcacc tcaattctac caacgtgtgc acctcaagaa tatcatgggg 480
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<210> 10504

<211> 420

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220115f08a1

<400> 10504

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 ttcaaggggt gaaccttgag gtgccaatta ttgattttag tgaccagat gaagggaaag 180
 tgggtgcatga gatTTTTggag gcaagtaggg actggggcat gttccaaatt gtgaaccatg 240
 acatacctag tgatgttata agaaagttgc aaagtgttgg gaaaatgttc tttgagttgc 300
 cacaagagga aaaagagttg attgctaagc ctgctgggtc tgattctatt gaagggatg 360
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<210> 10505

<211> 462

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220115f08d1

<400> 10505

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 taaattaaat aacaaaacag agaaaccaac attagtcaca gatcttattt aatctacttc 180
 ccacaagtca cacttttcatt ccataaatta aataacaaaa cagagaaacc atgagctata 240
 attatctcgt agtgcccact tcattcattg agggatctta ttgagcttac aataagcata 300
 atccttgtat ttcttggttt tgtattttgg tggattggct tggttaacca actttgggtg 360
 aggaccaact tcttgctcct ttttgggttc tatgaacacg ggccacgaca ttcttgtctc 420
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<210> 10506

<211> 534

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220115f09a1

<400> 10506

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acagcaactc cccagttgct tctctagaca aagctgatgg ccttccttct tggatgaacc 180
atgaggaccg aagggtattg aaggctatgg ataacaaacc tgcacctaata gtcaccgtgg 240
ctaaagatgg cagcggagac ttcaaaacca tctctgaatg tttaaagtct gtccctcaaa 300
atgttggaagg acgttatgtg atttttgtta aagaaggagt atacgatgag actgtgacca 360
taacaaagaa aatgcaaaat ataaccatgt atgggtgatgg atcccaaaag agcatcatca 420
ctggcaacaa aaacttttagg gacggtgtca ggactttcct aactgcaagt tttgtggtag 480
aggggatggg attcataggc ctagcaatgg gattagaaac actgcaggcc ctga 534

<210> 10507
<211> 618
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmf102220115f10a1
<400> 10507

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cgctggtgtc gaccctaata tcccactcga gcgccaagaa gaagcgaac aacttctcac 120
gcgctgtctc aatcttgga tctctgtctt aaattctaat cttcccgcca tagatgtcgt 180
cgaacttggt gtgagggaat tggaaacgga tccgctgttc aattcggggc gtggatctgc 240
cctgacagaa aaaggaacgg tggagatgga ggctagcatc atggatggtc caaaacgacg 300
atgcggcgcc gtttcgggtc ttaccaccgt taagaacccg atctcgcttg ctcgtttggt 360
tatggacaaa tccccgcatt cctacctcgc cttctccggc gccgaagaat ttgctaggca 420
acaggggtgt gaggggtgtg gacaacgagt actttatcac acctgacaac gttggcatgc 480
tcaagctggc aaaggaagca aacacaatcc tgtttgatta ccgaatcaa catcgngta 540
cgagacgtgc ggatccggtg tgagagtcac tgcaatgaat gactcccaat agcgtgtacg 600
cgccccgaaa cccccccc 618

<210> 10508

09531760

<400> 10508

<210>	10509
<211>	433
<212>	DNA
<213>	Glycine max

<400>	10509
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4815

<210> 10510
 <211> 555
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220115f11d1

<400> 10510

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 cataaaaaata caacagcaag cattaattac tcagaaataa gattcaacct aactacttgc 180
 tcaatttctt ttcaagctca tcaaattccc aatcaccaat ttcttcagtt gaataatcct 240
 gactaacctt cccaaactca gattccagtt tagctaattc agcttcatga tccaatatct 300
 ggtctgtctt aactgaaggt gattttggca gtcctccgt ttctggcttt gaaagctcgg 360
 caccttgagt tggagcagaa actgaaggag tagcatcaga ctttttctaa aaggtggtgt 420
 ttcagccttt gcagggtct ctatttcaag aattggtctc tctatagact caattgagtt 480
 cgtaactttt caatggctta aacagctctt taactctctc ttcattcttc ctggaaattc 540
 tcccctgttg agcat 555

<210> 10511
 <211> 448
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220115f12d1

<400> 10511

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 cactggtggg ttaaaggggt ctttgaaatt ggccttctca ctgagatctt ggaattcctc 180
 cacaagattt tgaagccttg caacaaactc tattaaaagg gaagcaaattg ttgccaaaga 240
 cagagagctt gcactttcat atactttgga atcttgctca agtaacatgt tatctccata 300
 aaatgagaga cgtggccatg atattttgtt ggacaacaag ctttgagaaa tgtgcaattc 360
 aggaactgaa ggctctatgt ttatgttaag tcttgaatca actcctgttt cactgagggg 420
 agagatcaat gagtgtttgt gttcatga 448

<210> 10512
 <211> 544
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220115g01a1

<400> 10512

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 tccacaacaa gaggcattca gagagcattt gttgatttgg atttggaagg ttccactttg 120
 gttatggaag caacttagct cccttcctct ctctttattt tccacattgt acaaatgaat 180
 tttcagggtg cttgttggtg gtggtggttg acaaagatat tgaagatggg aattttgagc 240
 actatagcaa gcttttttgg atttggaatg ggaacttcaa ttgggctagt cattggatac 300
 tatttgttca tatacttcca gtcaacagat gttaaggatc cagtaattca acctttgatt 360
 gagcaagatg ctaaaacatt acaactgttg cttccagaga taccacttg gattaaaaac 420
 ccagactatg atcgtcttga ctggcttaat aaatntatcg agtatatgtg gccttatctg 480
 gacagggcat ttgcangact gcaagagtat agcaaagccc attattgctg agcanattcc 540
 gaag 544

<210> 10513
 <211> 557
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220115g02a1

<400> 10513

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 aatattataa gggtgaagag ttgttatggg aaataacttaa cagcctcaaa tatgccattc 120
 atattgagag gtacaggaaa aaaagtgttg caaacattgc ctactagggt aaattcttcg 180
 gtggaatggg aacctattag agaaggggtt caagtgaggc taaggacacg ttatgggtcaa 240
 tatttgcgtg gtaatggagg gttgccacct tggaggaaca ccattaccca tgatgtccca 300
 catagaacag caacagctaa ttggatttat gggatgtgga tattgtaaaa ttttcgccca 360

aaaccacagg tcttataacc aagaccaggg cctataccta ttccccacc cattcatttt 420
 ttgattccaa ctccaacaaa tctttcacct tgctcttctc cttcatcatc accattaatt 480
 tcaaagatgg attccctggg caagattgat ctcaggtcta acacaacatc tgagtccgaa 540
 gattcantag aatgttt 557

<210> 10514
 <211> 611
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220115g03a1

<400> 10514

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 cagagctccc caaagagggc aagaaccatg gccacgtcat ccacagccat tgaacccgca 120
 ttgaaggagg ctntttccag atatactcag tgtctcaatg acctcaatga caaacgtgaa 180
 agagtgggtca aagcaagtcg tgatgtaaca atgaatagta agaaagtcatt atttcaagt 240
 cacaggatga gtaaatacaa taaagtggaa atacttgaga aagctgaaaa ggatttagca 300
 gctgtgacag atcagtacat gtcacgacta gtcaaagaat tgcaggggaa tgatttttgg 360
 aagttaagac gagcactatc acctgggata caggagtatg ttgaagctgc tacattctat 420
 ggtttctgta aaagtggaa tcttttgaag cttgatgaga taaacaaaac attgctacca 480
 cttagtgatc catctcttga tcctctgcag ataaatatcc ttgactatat attaggggtn 540
 gcagatttga ctggagaagt tgatgcgttt agcataggta ggatatacaga tggatgaactt 600
 gagttttgct g 611

<210> 10515
 <211> 334
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220115g04a1

<400> 10515

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tcgcgagcga gcctgacaca agcaaacgga aacaatatca acaaggtgaa gtggattcct 120
 tactacacat ggagatccag gacacattct acatatgtca tggatcacca actttgctca 180
 tagatgaatg cattcatgcc aggaagatcc ttcagtcatg gaagagggac gtgtttcctg 240
 agagaccctc ttcaacttgt gtcattctctg gccattggaa aaccgcagct cccacgggtca 300
 acgtctgtga ctgcattaac gacagcatct acga 334

<210> 10516
 <211> 466
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220115g05a1

<400> 10516

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 tgggtgcccgt actccggagg tgaaatgcgc aagttggagg cttgctgtgg aagcacacaa 180
 catctttggc tttgagacca ttctgaaga gtgcgttgaa gcaacaaagg aatacatcca 240
 tggcgaacaa tatagatcag actccaaaac agttaaccaa caagcttact tttatgccag 300
 agacctcgaa gtccatccca aggacacatt tgtgttcagt atagatggca ccgtactctc 360
 taatattcca tactacaaaa aacatggata tgggggtggag aaatttaact cgaccttgta 420
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<210> 10517
 <211> 506
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220115g06a1

<400> 10517

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 tgtgagaaga aattatcgaa ggtgatagta ccagacaaat ggaaagaagg ggccagcaat 180
 actaccgagg gtggtggccg caagatcaac gagaacaagc ttctctccaa gaaaaacaga 240

tggacccctt acggaacac taagtgcacc atttgcaagc agcaagtgca ccagaatgct 300
aagtactgcc acacctgtgc ttactctaaa ggagtttgtg caatgtgtgg aaagcaagtt 360
cttgatacca agttttacaa acaaagcaat gtgtagtgga tacttgtgtt gtattgctgtg 420
ctgtatcttc ttttagatgc ataatagcat tacctttctt tctatttgtc tagntgatcc 480
tattgctaaa caatgtactg aagctg 506

<210> 10518
<211> 501
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220115g07a1

<400> 10518

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cggttcgcag cgganaatcg cgatcgcggt cgatctgagc gacgaaagcg cctacgcggt 180
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tcccacgagc gttctctacg ggcgggactg gggctccgtg gatctgagcg cggcggagga 300
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caacttcacg tcgacgaaag cgagcgacct ggctcatccg ctggtggagg cgcagatacc 420
gttcaagatc catattgtga aggaccacga catgaaggan aggctgtgct tggaggtgga 480
gcggctcggg ctcagcgccg t 501

<210> 10519
<211> 502
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220115g08a1

<400> 10519

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accaaaacca taaaaagcgc ttctttcgtc ttatggcatg tctgaggagg aagaagcact 180
 gcgtcaaagg ccaacatcgt tgatttcttt cccaccccat gacaattctt cgcttcttct 240
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 atggtataaa ttatggtagg attgcaaata atattccttc acccgatgaa gttgttactc 360
 ttctcagagc agcananata agaattgttag aatctacgat gctgatcaca gtgttctcaa 420
 ggcatttagt gggactgggc tttgaangta gtgggggctt ccaatgccag ctgcaagaca 480
 tgagttcgaa tccagaccat gc 502

<210> 10520
 <211> 478
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220115g08d1
 <400> 10520

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 ggtataattt gatctatagt gagacatgaa gtggagccaa gtcaaactca tttcattgcc 180
 aggaactggt ttgccgagca ggctgatatc ataaggatca ctaactccag aaaatcagcg 240
 gtgtcaaaga agataaaaag aataccatca tgtatgactg ggacaaccct tgagtattga 300
 tattcttaag agacaaaaga gatgaatgtc cagcattaag tccgtgaaag ccaatgtcat 360
 atgatatact cccatcagcc ttgaacagtc catagttctt ctcagatgaa tgcccaagct 420
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<210> 10521
 <211> 510
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220115g09a1
 <400> 10521

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<210> 10522
<211> 260
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220115g09d1
<400> 10522

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caatcccaaa aaaaaacccc cctaaatata tcaaatccc aactgttccc cctctttcct 180
ctcgacaaaa cttcttact tattctctac acccaccacc acattcccca ccttttttat 240
gcccccccc ttcaacaaaa 260

<210> 10523
<211> 319
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220115g10a1
<400> 10523

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aaaagagtaa tcatctgcag agaaaattgg agaagcgcca gaaagatcgt aagcttgatg 180
ctcacattga ggagcagttt ggtgggtggc gtttgcttgc ttgcatttcc tctcggcctg 240

gtcaatgtgg cagagctgac ggctacattt tggaaggtag gagttggagt ttacatgaa 300
 aaactccaga aaaagaagg 319

<210> 10524
 <211> 546
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220115g10d1

<400> 10524

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 tgtcatgtgg cacaaaacat caccttaaatt tgtaccaaca acatataaaa gcaactaaag 180
 ccatataaaa atctgggaaa cactaaaatc aagcagcacc ctttcccttc tttttctgga 240
 gttttttcat gtaaaactcc aactccttac cttccaaaat gtagccgtca gctctgccac 300
 attgaccagg ccgagaggaa atgcaagcaa gcaaagccc accaccaaac tgctcctcaa 360
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 tctttttggc ttcttccaca gcaacagcag cagcaccctc ctctgcagtt tccttcttgg 480
 cagctgtctt cttcttccta ccaatctcaa caccatagtg ctgaaggtac cactgtttga 540
 atggag 546

<210> 10525
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220115g11a1

<400> 10525

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 tcgtgttccg gcggcggaga tcacctgcg gcgggcggtg gtgggctccg cgagcatgcy 180
 cgggtggaggt gtcggagtcg gagggaggga agatggtgat ggagctggtg ggagccttca 240
 cgagttga 248

<210> 10526
<211> 441
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220115g11d1

<400> 10526

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tgaggggggtt ttgttctgtc attcgtttca aatggatgaa gcactagctc gcaagcctgt 180
tgccgaactc cttactataa acttgaatta aaccactctc atttgccata tgaagcttct 240
catccaataa tttcttgtat tgatcatctc ggacctctaa attacgcacc aactcaacct 300
gttcttggaa catatggaat tcgtcagaac tgagggagcc atcactattt gagtcaagga 360
gctgcatcat ttctcgggca ttttctctctg gtgcaccaag ctctccatc acttttgtaa 420
gttctcaat gctaatttta c 441

<210> 10527
<211> 398
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220115g12d1

<400> 10527

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gggggaaaaa aaggggaaca aacgagaccc cggggcaaaa aaaaaagagg gggcccaatg 180
aaaaaaaaag gggggcgctt ttattgcccc cccccgggg ggggggggccc cccaccttt 240
ttaaaaaaaaa aaaaaaaaaa aacccgaatc ggggggcaaa aaaaaaaaaa aaaagtccca 300
aaaaaaaaag gggccccag gagaggggggt taaaaatgga gggaaccaca accccgggaa 360
aaaaagaaag ggggggtgta atggcccccc ccccaaaa 398

<210> 10528
<211> 492
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220115h01a1

<400> 10528

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atgttggacg tgaaggagaa ggcattcattg gtgcgattgc catatctgac actgtgcgtg  180
aagatgctga atctactata acaaggctca agcagaaggg gattaaaaca gtcctcttgt  240
caggagacag ggaagaggca gttgcaactg tagcagatac agttggaatt gaaaatgatt  300
ttgtcaaagc atctttgtct ccacaacaga aatctggatt tatttctct ctgaaagctg  360
ctggacatca tgttgcaatg gtaggtgatg ggataaatga tgcaccctct tggctgtggc  420
tgatgctggg attgctctgc agaatgaagc tcangagaat gctgcctcgg atgcagcatc  480
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<210> 10529

<211> 389

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220115h02a1

<400> 10529

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tgcttgagct gtgcaaaatt gatTTTTTgt acagaacgtt tacttgaagc tgcattcaatt  180
gaggagggat tcttcattct tggattcgtt tttggtgcct eggagtcaga gctgcaagga  240
aagtggagat gctgggatga aagctgaatt ttgtgggaaa tggctacttt agttgaaccc  300
cccaacagaa ttaagcctaa ggggaagcat tattatacaa tatggcaaac attgtttgag  360
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<210> 10530

<211> 366

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220115h03a1

<400> 10530

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 attacaaaca ttaaggaaga actccggccc aagcctggac catccacatc aaacctcgcc 180
 gaggacgcag aggagcacga caaaaacccc gacgacaccg acaagggcaa gcggaagca 240
 gaacaaactg tatccccggc cgcgcccggt gcaaccaaat gggccgagga cagctggaag 300
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 cgacc 366

<210> 10531

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220115h04a1

<400> 10531

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 ccaacatcag gccacggctc cggcccaagc ctggcccatc cccttccatc ctgcgccggc 180
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<210> 10532

<211> 490

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220115h05a1

<400> 10532

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 gcggcaatga aggaaacaac gaagaagagg aagaggagga tctcactctc gaagaagagc 180
 ccgtggagaa gcttctggaa ccgttcacaa aggagcagct ccactctctc gtcacgcagg 240

ccgtggatat gtttcccgaa ttcgtcgata gcgtgcgccg gcttgctgac gtggaccctg 300
 cgcacaggaa aatcttcgtc catggccttg gctgggacgc cactgccgat actctaaccg 360
 ccgtgttcgg gaaatacggc gagatcgagg attgcaaggc cgtcacccgac aaggctctccg 420
 ggaaatcaaa gggttacgcc tttatcctct tcaagcacag ggacgatgct cgcaaggcgc 480
 tgaaacaccc 490

<210> 10533
 <211> 437
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220115h06a1

<400> 10533
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 ggctctctcc ttctctcatc aatgatcaga acccacccaa gttttcaaca aaaacctatg 180
 ctgagtatcg ttatcgcaaa ttcaataagc tttcccaata agggaccaa acatcatcac 240
 ttgtgttgtc acggtgaaat aaatttgtaa gccatgatgg aggataacaa agtaggagct 300
 aactctccat tttggttaac aagtgtagct aatttctatt atgcttttga agtaaacagg 360
 gctttgtccc cttggcattt ggtacatgcc atattcctta agaatacaat aaggctatat 420
 tcctgttcta cttcatt 437

<210> 10534
 <211> 450
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220115h07a1

<400> 10534
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 cacattacaa gcaacaactt aacgcttaac aacagcactc tccctaattc ttctgtgtat 120
 gcaaaatgag accatgcaaa tgcaaatgca atgttctctc tgctctcatt cttcttgtca 180
 cattcctttt tattgcttct tccgtccact gtgaagaccc atatcggtag ctcacttgga 240

aggtcaccta tgggtgacatc tatectcttg gtgtcaagca acaagggatc ttaattaatg 300
 ggcagtttcc agggcctcaa atagatgctg ttacaaatga caacttgatt atcaatgtct 360
 ataactacct cagagaaccg ttcctcattt catggaatgg cttacagcat aggaggaact 420
 catggcagga tggagtgtat ggcacaaaact 450

<210> 10535
 <211> 384
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220115h08a1
 <400> 10535

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 cagatgagcc tgtttaccaa attcgattta caaaagaaat ctttcaagat tatcatgatt 180
 atttgaagcg attgaatcta taccgccaga gggtttggat gtgtaaagtc actggaaaaa 240
 ctggcttgac atatgaagag gcttttgggtgt ctgaacaact tgctaccgag aaagttcaac 300
 agtttctctaa agaattaatg actattgctt taaggattat tcaatacagg atgctccctt 360
 tgaaggatct tgctgattct attg 384

<210> 10536
 <211> 576
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220115h08d1
 <400> 10536

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 aaaatttctg aaacaagcat acacgcatgc ttgtccatca tccaaaaatg gatcggaata 120
 ctgcttaatc tctattacag tcaaggcaat gaatcaaact aagctccttt aaaagttcca 180
 agttccattc gtttgaaggt aactttactg aatttccctt agcaccacct attcttcttt 240
 atgggacttg tttttatata tgaggcaagc atcggagggg ttctgccttg gttgagctct 300

aacacgagta gacctacgaa gaacagactc atctacaaac ctgtgcatca aatccttaga 360
 tgttttctgg agttctgagc atattgtact ataatatttt tctagctgct ttgcgagtac 420
 cctttcccg ctcaccttgc aattcagtga actcatcaat gcatcaagct cttccttact 480
 gctgtagtat cccacttct tggagtcaca gctttcaaca aatatcctcc cataaacgac 540
 agaaccacca ataatattgt natctctgtc cttacc 576

<210> 10537
 <211> 509
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220115h09a1

<400> 10537
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 tgacaaagaa tcctcaaaag gcttatttga gaacaatcac gccaaagttt caggctcttg 180
 ttgatctttc agtgatagag atattgtcaa gacatgcttc tgatgaggtc taccttggac 240
 agagggacaa tccaaattgg acctctaate caaaggcaat agaagccttt aaaaagtttg 300
 gaaaaaagct agcagagatt gagacaaaaa tctcagaaag aaaccatgat ccaaacttta 360
 gaaatcgaac cgggccggct caattgccct aactgtgct tcttctacc agtggacag 420
 ggttgactnt tagaggaatt cccacagcat ctctatctaa tgagtgtggc tcaatcgat 480
 tgtactttta cttttgaata tctcatata 509

<210> 10538
 <211> 118
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220115h09d1

<400> 10538
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<210> 10539
 <211> 574
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220115h10a1

<400> 10539

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 aggttccatt ggagttaact acggtcgaat agcgaacaac cttccctccg cggttaagggt 120
 cgttcacctc ctcaaatcgc aaggactgac acgtgtcaaa gtctacgaca ccgacccagc 180
 agtgcctcgg gcactatccg gatccggaat cagagtgcgc gttgatcttc caaaccagca 240
 actcttcgca gcagccaaag ctccctcctt tgcatectca tgggtcgaaa ggaacgtcgc 300
 cgcatactac ccacacaccc aaatcgaagc cattgcggtc ggcaacgagg ttttcgtgga 360
 cccacacaac accaccaagt tcctcgtacc cgccatgaag aacatccaaa aagccctcac 420
 caaacacaac ctcgacaaag acattaaggg tttcctcccc cattgcactt tccgcactag 480
 canactctta cccttccttc gccgggtcgt tccgaccga acttgntgaa acccgtttca 540
 agcccatgct agacttnctn cgcgaaaccg ggtc 574

<210> 10540
 <211> 480
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220115h10d1

<400> 10540

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 aactatgacc acttcaggaa tcataaagat aaagtctact gcaaagtaaa aaaaaaaaaa 120
 aaaacttaaa tacaaattac tttagtcca accggtaaat taatttagct accccattcc 180
 cagttccac caactggaag aaaagtcaac atttattaac taacataatc cataacccca 240
 aaaaatttta aaactaatat aaccaccaag aaggaattta tcttctcttc ctagtttcac 300
 acttcagac accttataac atactttaca caaagcaaaa tcagccagac gcatattctc 360
 atgcgggaat atctctgtcc tcttcagctt ttagtatcca gtaggaaact cgcaggtacc 420

atacttttggg tcttgcggga caacgtacga cgtacccccg aaataggagt taccaccctt 480

<210> 10541
<211> 452
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220115h11d1

<400> 10541

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gctaataatg atagcaaadc cgagggtat tgcaataagg gaggaaccc aagtgagttt 120
ctcagttatc ctaggtactc tctcttcag tgcttggtc cacgaacct taaacacggt 180
ataacttccc attgcaatta cagttccaat taagaacatg atgagaaacg cagcaccagc 240
caaacgcgaa ggcaaagcaa gggcaggcaa aaccatcatc aatgcatctg gttgcaggcc 300
atgaactatc cctgttgcaa aagtagcaaa acctatcttc tttttgcca ctgttgatt 360
atcaagcgat tcatacacgt tgacatcaca ttcaccactt tctaaagcaa caattggggc 420
atgtacttct gatgcttctc taattcccat ag 452

<210> 10542
<211> 552
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220115h12d1

<400> 10542

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gaaaaagaaa gatgagaatt tgatatcaag cctgttacaa gaattaatca tcccagagct 180
gatcttgtca tctcatatgc caagaagcat gctgcatttg caggaacact acgggccatt 240
gcaggaccaa aacccttata caagcctttg aatccttctg tagctcgaat ctttctgaat 300
gcatcaaatg aaccagaaaa tttcgggttt ctgtgatcat ctacttgaat cacactctta 360
ataacatcag ttgggtaaac caagaaccag aaggaagctc cagccaagcc tccagcaaca 420
atcagagaac ctctacttag gccagaagta tcagtacctc ctgcaaactt ttgctttaat 480

gcttcatata caccaaacaat tatagcattt ccaggtatct cacgtcccat agtgggaacc 540
aagcccttga aa 552

<210> 10543
<211> 344
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220125a02a1

<400> 10543

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cttatcacat cacaatttgt gcattgcctc gtgtcctttt tcttctttgc ttgccaaaaa 120
tcttacacac acaggtatct agcaaatggg ttctcaccag caagaaccat ggctattgga 180
gaatgggaaa ccgaggggtgt tgaccaagga gaataggcat ggccgttctg cacacagcat 240
gtcctccacg tctttgcgca agaagtctag ccgaactctt gtctccaagc ttccatgtgc 300
cacactcaga aacatccttt taaatttgca agagggttatt cttg 344

<210> 10544
<211> 340
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220125a02d1

<400> 10544

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caaactgaaa aagggatttc ttactaaagc aaacttaaac aagaacaact tccactcatt 120
tggtcatgtac cgtagtaaaa caggatcaaa agccattttt tgatagaaca cacgtatgta 180
ttatattgaa cattttgcac agtgggttcat ttctcacagc tattgcaact taaaataactt 240
gcaaagcttc tgcaaattcc aaactttctt ttactccctt ctttatggat cttacaaagt 300
gatcagatca tgaaaccatg atcaatccat tgaatttgaa 340

<210> 10545
<211> 386
<212> DNA
<213> Glycine max

0611

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gaggctcatg	atgggtgccag	taaagggaaa	tatactattg	gacttgggtca	agattgcatg	120
gcgtttttgta	cagaagtaga	agatgtcatc	tcgatgagtt	tgacagtagt	ttcttccctt	180
cttgaaaagt	atgcgattga	tcctaaacaa	attggtcgtc	tggaagtagg	cagtgagact	240
gtgattgaca	aaagcaaatc	catcaaaact	ttcatcatgc	aaatctttga	gaaatatgga	300
aataccgata	ttgaggggcg	ttgattcaac	taatgcatgc	tatggaggaa	ctgctgcttt	360
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<211> 342

<213> Glycine max

<400> 10546

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tccaatcctt	cacaggggta	tacattttca	agagcttaat	tgcttgaaac	aattcttggg	120
ggaactattt	caacctgaag	agtttcggga	aatttttgaa	ctaacaaccc	ctggctccta	180
cggatttcat	aattgttcgt	ttggcttccc	ttaagaagaa	actaatccaa	acgagaacaa	240
ggttttaaat	gctaagccca	gttgaatttc	aggtttccag	gtattacacg	ttttgtaagt	300
caaacgtctg	tgaccattgg	tgacctggcc	attttegctg	gg		342

<211> 426

<212> DNA

<213> Glycine max

<400> 10547

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tcgcgcgtttt cgcggcgctt cctccgcgca ttctgtctgg gagtccaagc tgccgcccac 180
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 gatttacgcc aggctttgca ggctcaattc tctcgacgac ggcaccaaga aagtttggct 300
 ggatcgaggc atgggtaaac tgtgtttggt gcgtttcggc caagggactc tccataacag 360
 ggattgatga taggagaaac tggaaccata tccccactga cgaatctaga tcagcagtgt 420
 tgcata 426

<210> 10548
 <211> 377
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220125a04d1
 <400> 10548

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 tgaaacacat attcatacat cgactgcttg cttctacaaa attctaaacc ttaaagaacc 180
 atattaaaaa ctcgattctc tattectcct gatgcggcct acgctctata catataaata 240
 ctagtataca ttcatatgtc attcttagca aagggttaaca gtagtttaaa aatgctttaa 300
 cctttctgaa ttcacttgga tatatcagca cagaatctaa acagagaccc ctttagtat 360
 gtgtgcaaac aatttga 377

<210> 10549
 <211> 440
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220125a05a1
 <400> 10549

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 ttcaaattac actgagctca gtcagttgta tgagaaatac aaacagaaag gtctggaaat 180
 tctggcgctt ccatgcaatc agtttggggc acaggagcct ggatctaata aacagatata 240

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 ggatggcatc aaatggaact tcgccaaagt ccttggtgat aaagagggga actgtgcctg 420
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<210> 10550
 <211> 407
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125a05d1

<400> 10550

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 caccattggg agaacatttt ttattcaaag gttatttatg gggaactcca aacattcaaa 180
 acttaaggca tccaaaaact tcaacaaggc cttttaaatg ctcaaaggaa aagttggggg 240
 ggcataggga taaaaaaaat tccccttttt ataaacaagg aacttgggga aattccgttt 300
 gaagccctcc ccaagggggc cccctttggt ggaatttaga aatttgcccc ggggacacac 360
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<210> 10551
 <211> 398
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125a06a1

<400> 10551

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 agatgtggcg gcccttcttc gaaccttacc acctcatcat cgtgcaggac ggagacccca 180
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398

<210> 10552
<211> 330
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220125a06d1

<400> 10552

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ccccaagctc caaaaatggg ccctaaaacc ggccctttta aaaaaattgg ggaccaata 180
gggtaatcag ctaaaaccgc ccaggagaa accgccccaa tggaaaacc aaagcccca 240
cccaaaaggg gacccttggc atcaacggcc ccctggggtg ggcttaaggg acccctttca 300
aagggggtgc agcaaaagcc cccccaagct 330

<210> 10553
<211> 357
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220125a07a1

<400> 10553

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agatcctttt caaacactct tagtcctacg tcgtaccaa cacaactga aacaataacc 180
aacgacaaca acgaaatctg caatggccca cttaatcata caaccggaat cctcctccga 240
ttcgttcttc cccggtgggt ctcttccttc accctcacac gcttcttca tccttcgctt 300
ccttcattcc ttcagaccat gtaacagtat catgtttttt ttggaggccc aaacaag 357

<210> 10554
<211> 527
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220125a08a1

<400> 10554

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 tcaaaaattc cccttcaaaa aaattttacaa ttaaaaaaa gtgctctttt tgccaatttt 180
 gagccatttg ccaccgacag atttcgatct tctccgtgcc aaagctgtaa tcttttcgaa 240
 ttttggcgag gtgggtcgat ctgatttcgc tcgaataatt gcgggttcga ttttgatctg 300
 aaaaaggaaa agagaaaaaa agattgggtt atttctgatt caagattttg tccttttttg 360
 aaatgggtcta tttccatagc tcaatctctc tctgcacgtt cggatgatcca tcattcttca 420
 tggcgaattc aatttgttct gcggatttcg gttcgaaatc gagacagatc aatcaccttt 480
 cagagaatcg gagaaccctt agttcatcat catcatcatc atcatca 527

<210> 10555
 <211> 524
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125a08d1

<400> 10555

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 actagatcaa tgaacatagg acaagaagta caaattttct atttgatcca attaccatcc 180
 ctttccttaa ttccatccaa taactcaaaa ggggtgtctc tcctgtgtcc tactcggctc 240
 gaacaggatt gctgctactt cttgttgatc tttcgaagat gcttccttgg tcctggaacc 300
 tctaacctac caacagaaca tccacacctc gcccgagca cgagcacagc cttccattt 360
 ggtggtgcc tcttcttgag ctgagcctcc agctccctat ggggatcacg aggcaattca 420
 aagagaccct tcttcgttcc accaccacca tctatcgcta cattcgacga cgcagaagcc 480
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<210> 10556
 <211> 361
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125a09a1

<400> 10556

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ttcccaatcc aagcccacca tcttccccac ccattatcac tggtagacct ccgagttcgc  180
ccaagaaacc agcatcctcc acgtatacga caccgttttc cacggcttct acgcggtgct  240
cacgcaccaa caagtcgcgt ccataagcca gcaccctac gtcctcgccg tcttcgaaga  300
ccgtcggcgc cagctccaca ccacgcgctt cccgcagttc ctcggccttc gcaccagcgc  360
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<210> 10557

<211> 664

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220125a09d1

<400> 10557

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aatctgcgga ttcggttcga gatttttttt caaatcaaac gtgggttaaaa tgaaataatg  120
acggctgaac atggatggta caaattactt ctataatctt atcgagctta gatagaccac  180
taacaagtct ataaacacac ggtgaagcta aattaaacc aagaagaaga aaaacttatt  240
aaaaaaagta catcaacgga ttacacctcc aaacttggtc acttaaacaa aaatctaaaa  300
acgaaaaggc aagactaaat acaaaatata tgtgtctcag ttgtctttta tactagccgt  360
ggcaacctac aggggtgcca ccacttacg tcacgagtca cgagccgcat ggatcaaac  420
gacatgaccg atgcctggct ctatataacg gatctatttg agtcaccaca gtggggctcc  480
gaaccacgtg cttcccatcc gtacacgtca gcgaccgaa caccgccccg gacggacca  540
tcttcagcat ccgggtgtgc cgcgccagcg gcaccacata gtcgcgttc ttcaccggt  600
ccgagaacac gagcctagac ggcttcaccg tcacgctgac accactcgnc gggcgccttc  660
acgc                                                                           664

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<210> 10558
 <211> 553
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220125a10a1

<400> 10558

gcaattgcaa ccaaacagtg tctcatgata ctgtttgttc tgatgcccc a cgtcgaagc 60
 cctcctccgc cactcgccgc catcgtagct ctcccttctc acaccgtgga atcaaatac 120
 gatgtcgagc ccagattctc gatcattcag ttggcactac acggaactcg atgacagaga 180
 cctcgagatc cgaggtagga ctctgttttt tgtcatcgta ctcttctcca ttattctcct 240
 cgtcactgtt ctcttcatct acacgcgctg ggtttgccgc taccaggga cgcctnccac 300
 caccgcgttc accgccgcag ccgcccacgc gccgccgctc gcgcagcctc agggaaatgga 360
 cccagcttcc atcaagaaat tgcccataat cctccaccac gcgccgtcgg accgcgagga 420
 aagcgcgtgg gacgaaacgg agtgctgcat ctgcctcggc gagttcagag acggcgagaa 480
 gtgaaggttt ctccggcgtg tgaccactat ttccactgtg attgtgttga caagtggctc 540
 actcatcact cta 553

<210> 10559
 <211> 531
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220125a10d1

<400> 10559

tgcaatgata gctgagtact cttgccgaat tattacctgg gacgacctg ctcactaatc 60
 tgccgacgcc ctttgagatt tttttttttt tttttttttt ttttaatcgt aatatggaac 120
 tccttccata ttgatatttt atagcaaaat atattaaaga agctgattgg gcagtaacct 180
 aggcaacgag caagcagctc cgtaacttaa gagcacccat tatctttttg ggggctcaat 240
 ctctaataaa aaaaatcttg attaaatcca atcattgaac ctaagaagca ggaccacata 300
 tccaatttgc agaccaaaca cagggatgac caaaagagc tacggctttg aggaccttta 360
 tccaacatgt ggcgttgagg aaaattatat gacctttccg aacccaagt cgtctatcat 420

tcaacggggg aaccttatat aatgtaacac tatcacgggc atactgcaca ttgtgtccct 480
actttgccat gtgctactgg ctaaaaatat tcttcacaac aacccaaaca c 531

<210> 10560
<211> 415
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220125a11a1

<400> 10560

cacaggtggt tatttgaaga tgaagatgtc ggtactgatg gcgtggatgg ttcatatgaa 60
cacgctgtga ttggattatg gagtggcatt gcttggttgg ttggagtgaac tgtgttcatt 120
gctgtgttgt ctgaatatgt ggtggataca ctgaggatg catcagattc ctggtgtttg 180
tctgcgagct tcctcagcat ctgcttgatg gcgactgttg gcaatgcctg ctggcatgca 240
ggggcaatta tattgcctt cctgaacagg ctggatcatg cattggtgtg tctgcattct 300
gttcagctac tcatactgtc atgtcgggtg tccattatg tgtcatcgtg gcttgtataa 360
tggtatttca tatggacctg agcttcaacc tcttatagac aggttccttc gcttt 415

<210> 10561
<211> 456
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220125a11d1

<400> 10561

ataaaattaa aatttataaa acttgtatgt gccacgagac ctagtaaat atataggaac 60
acaattaata caacagattc cgcaaactga aaaagggtt cttactaaag caaactcaaa 120
catgaacaac ttgcactcat tgggcatcta ccgtagtaac acaagatcaa aagcagcttc 180
tctgatagaa cacacgtacg tatgactcaa catggttcac agtagtggat catttgtaac 240
agctagctat tgcaacttaa aataattgca ctgcttctgc aaagagctaa ctttttttcc 300
cccccttgtt tatggatagc acaatgggat cagaatgaaa caataaccaa tccattgaat 360
gtgaatctga ttgcgggttt ggatcgatac caccattctt gatctcacga aaggacaaga 420
aatcgggcaa tgctactaa ttaagcgtt aaaact 456

<210> 10562
 <211> 495
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220125a12a1

<400> 10562

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 caagctgtga ttggattatg gagtggcatt gcttgggttg ttggaatgac tgtattcatt 120
 gctgtgttgt ctgaatatgt ggtggatata attgaggatg catcagattc atgggggttg 180
 tctgtgagct tcctaagcat aatcttgctg ccgatagttg gcaatgcagc tgaacatgca 240
 ggagcaatta tatttgcctt caagaacaag ctggacatct cattgggtgt tgcattaggt 300
 tcagcaactc agattgccat gtttgtggtc ccattatgtg taatcgttgc ttggataatg 360
 ggtatcaata tggacatgaa cttcaacctc ttagagacag gttcccttgc tttggcaata 420
 atagtacag gcttcacttt acaggatgga acttctcact acatgaaagg ccttgttctc 480
 ctgctgtgct acatt 495

<210> 10563
 <211> 396
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220125a12d1

<400> 10563

ataaaattaa aatttataaa aagtttattt cccacgaggc ctagtacaat atatagtaac 60
 acagtatatt caagagattc tgctgactga aaaagggatg cttactaaag cacactcata 120
 caagaacaac ttgactcat ttggcatcta ccgtagtaac acaagatcaa aagcagcttc 180
 tctgatagaa cacacgtacg tttgattcaa catctttgac agtagctggc catttctaac 240
 agctagctat ggcaacttaa aactattgca atgcttctgc aaagtgctaa cttcactttc 300
 cctccttcgt tatggatatg acaatgtgag cataatgaaa caatcaccaa ttcagtgaat 360
 gagaatccga atttgggttt ggatcgatac caccat 396

<210> 10564
 <211> 218
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125b01a1

<400> 10564

cagagagagt gagagagaaa gagcttagct taggaatgga agcagagaag catgaagcag 60
 cattggcagt ggccctcagtc tccctctctc tcccagagt tttgcccttc ttccaaccca 120
 ccaccctca gccaaccaag ctcaaagtc caaccaggc ctcatctctc acacaccttt 180
 ctctctccac tcctttcaaa accttcttta aatccacc 218

<210> 10565
 <211> 550
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125b01d1

<400> 10565

cgagaaaatt ttgtaaagct tccatattga aataatgtat ctgtcagtta caacagaact 60
 tcagaagggg aaccaaattct tggtcatcca gcaccctact gccatgactg cgtagggaac 120
 caaccatac cctgaaacaa acttccttat gccactaga acttctagtt taagcaaattg 180
 caccagcaca tgcagtggct ggagcagctt ccagctgttt ctttgagta ctgtattttt 240
 ttgttataaa cctaaagaag tccctccata gcaactcaaa catcaaccaa tttgttccag 300
 ttctggacga gcattacca ccatcattcc ggttggacga agcagaaatg actctgccgg 360
 cagtcttctt cagttcttca tacattgtgc caagggaaag gcatcccatt gccaacccag 420
 gagaaatctt gcaggagaag ttggcaccat atatactctg agttccatcc ttaaaccctt 480
 tgtgtggctg agctgcacac tcagctgcaa attttttaag cttctgcagt gcctcagctt 540
 ccccttctac 550

<210> 10566
 <211> 71
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125b02d1

<400> 10566

ctactcgctcg ggcgtccttt tttttttttt ttttatccac aattcaaata atctattttca 60
tataaaatgg g 71

<210> 10567

<211> 351

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220125b03a1

<400> 10567

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tgcatagctg cattctgagc tccttcactc tgtttggggtt tcgcttccat tctccgctat 120
ctattcgaga tgagcatgct tagtcctgaa ggtgaactga aaataagttt tggctatcaa 180
tgcaatagtg atagagctat atcttgtaat gaaatccaaa gaacaagcag tttctcttgg 240
ctgtctgggtg ctgccttaag tgcaaatgct acacttgcca acacaaacat ctgcaatgggt 300
gtaataggag aagaaatcct tccaagtttg gactctccta aatcgtttcg t 351

<210> 10568

<211> 567

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220125b03d1

<400> 10568

caacataaaa gctaaatttc attaatatat tatatacaag caaaacattt ctataattca 60
tgttccaaca aatagaaaaa atactgcaaa attttgaaat accaaaggaa ccaaggattc 120
taagttctat atgtcttatg tacactatga atatcaaaac ttcctaagaa ataccacttg 180
tccaagggtg ccattgaaaa gcttcagata ttgcaaattt tctttggcca gtctctagag 240
gcaaattgat gcttttgaag tccgttgatt catcccaagg atgatcacca ttacggtcac 300
atcatcatgg tacttctctc tactcccatc cggaacattc atcaactctt ccattgctgaa 360
gctgcagaa tcagctgctc ttgcaactag ttgctcaata agaaattttg ctggatcacc 420
aaaagggttt ctcaagatat aagactctac aagctgtact gcttcatcat tgctgaagaa 480

gtcaaataag ccatcactcc caactataac aaatggatca gaatctgaga ttttgtgcac 540
attcaatgat ggatcagttg aaacata 567

<210> 10569
<211> 430
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220125b04a1

<400> 10569

tgcaaagtgt gagagaaaga caatgccgaa gtctcaattt cgaaccccat ttctggtttc 60
tcttcccctt ttgttattca tcttcaacct cacccttcg cacgcactct atggagcatc 120
ctcaccctgt cttcaactca ctccctctaa cttcaagtcc aaggttctga attcaaattg 180
agttgttctt gttgaattct ttgtccatg gtgtggacac tgtcaggctc tgactcctat 240
atgggagaag gcagctactg tgttgaaggg tgttggtact gtggcagcaa ttgatgctga 300
tgctcatccg tctttggctc acgaatatgg aattagagga tttccaacta taaaagtgtt 360
tgcacctgga aagccacctg ttgattacca aggagcaaga gatgtcaaac caattgctga 420
atttgactt 430

<210> 10570
<211> 316
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220125b04d1

<400> 10570

acttattaaa acccaaagat ttattcaaaa gggcgaacaa aaagttcctt tgatactaag 60
gggcaccctt gttcacgaac gcttattgag agggaaaaga caatacccaa acgttctaac 120
atttcccgga aaattttcag aacggccccc ccgatggaca tatttttaaaa tccataagaa 180
aaaccgctga tcaactagacg ggttttttaa cttgtgacct ggaaaaacat gatcctgatc 240
accattatca ggataaacia gttggctgta acggaaaaac cgggtggataa aactttgaac 300
ggggaaaaaa tcctta 316

<210> 10571
 <211> 431
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125b05a1

<400> 10571

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 ttctcttctc tcacaaattc gtcaatcaat ctcccaccga gttcccaaca tggctgaatc 120
 ggtggagctt ccgagtcgct tggcgattct cccctttcgg aacaaggctc tcttgcccgg 180
 cgccataatc agaatccgct gcacttcccc caccagtgtg aagttggtgg aacaagagct 240
 ttggcagcga gaagagaagg ggttgattgg catcctgccg atgcgtgatg ttgctgaaat 300
 taagccagtg ggtcccactg tatctgaagg agctgattca acaaatcaga actcaaaagt 360
 tcaaggcggc tcaattggatt ctcgtaagct tgatacaaaa aagcagaatg gatgttggtc 420
 attggcataa c 431

<210> 10572
 <211> 359
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125b05d1

<400> 10572

ctaattgcat gattcaatct tttatttctt atatgatatc tcaagagatt gctcgacaga 60
 gcctcacatc taacatgtca catgtctaataa aaacccttac ttgcctcctc gaggggagat 120
 taatggatct ctgtaagccc aaatgttgca ggaataatac taactcctgc ggtgacaaca 180
 tatttcaaaa ctcggtctta ctgactaaag actcaaacat aacgaaaagg attgccatgc 240
 tggaagaagg aaccacattc aagagcgagg aagccctctc ttgtgacgat ctatgcataa 300
 tacatgatga acatggatat atgggggtgac aggggaaatc atttacaac gtgcgaccc 359

<210> 10573
 <211> 159
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125b06a1

<400> 10573

cgtagactct ttggatttca cgagctatgg aaaaggtggt gcggtcccta acatcacgtt 60
 cacgaattac tgcgttcaca tgaacaaccc tacggaaacg tctcagagct acgctgacgg 120
 aacggttggtt ggaacgcaga gtatttccat ctacataga 159

<210> 10574

<211> 375

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220125b06d1

<400> 10574

atatatataa tatactttta ttatttcgag ccgtgtttac taatgaaagg gactcaccct 60
 tgatatatca gcctataagg acgagcccat cgaaaacgat cttttcttaa actccaataa 120
 tgaaatcaat atggtagttg atattgggaa aactaaaaac gtcgtaatgt gcccgaata 180
 aatggcccac accccatgag gaatccaacc aacacttaaa tgcaaacata cttgatcata 240
 ctttcaaaac tcccatgatt aatgacccaa tggagcggtc aattacacca ccgaaatgat 300
 gctcgcccaa aaacatccca gtggggggggg acccacccta gggcatccca tttgctagac 360
 ccttgaacct gctaa 375

<210> 10575

<211> 339

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220125b07a1

<400> 10575

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 agagaaagag aaaaaagaaa aaaaaaaaca actaacatta agcttttaaat agtaagacat 120
 ggctcaaccc agttccaacg gggatctgaa taataaccag cagcaggggc aggttcagca 180
 acaacagcag cagggtcagt gggcggcggc ggcgcagccg catcagtatc agcagcaatg 240
 gatggctatg cagtaccggg ccaccgncat ggccatgatg cagcaacaga tgttgatgta 300

<210> 10578
 <211> 388
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125b08d1

<400> 10578

caaagggccc caaccctaa ggttttaagc gggggaccca aattaaaaac aggggccaac 60
 cctgggccc aaacattcaa ttttaaaaat ctggcaaaaa aaaaaaaacc ttttaciaag 120
 ccccaaaacc aagggcccct gggaattaaa ccgggggggc caaaaactta ttttttttcc 180
 ccagcctggg caaattcgga agcccggggc ttttttacc caciaatttt tttagcccta 240
 ttttttccc cctaaattgg cctcctggac ttttaccccc gggggaaaag gccctccctg 300
 aaaaaccgt tttggggccc aaaccttggg ggattctccc cggttcaaa aatcaacca 360
 aatcccgggg atttgcccc cccaaaaa 388

<210> 10579
 <211> 559
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125b09a1

<400> 10579

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 agacttcagg agcaaccgc ttttgataag aaacagtttg ttacctcat gaagaggttt 120
 atcaagaatt tgactcccaa gctcgatgca gagaaacaag agttgtttta gaagcacatt 180
 gagggagcaa ctaaatacct gctctctaag attaaggatt tccagttttt tgttggggag 240
 agcatgaatg atgatgcttg cttggtcttt gcatactaca aggatggtgc tgctgatcca 300
 acattcttat actttgcata tgccttaaag gaggttaagt gctaagtgc ctaattgtacc 360
 aagttatcta ctctcatctt acctagtctt tttttttaag gtctgttcta agttacctaa 420
 aacttcgact tggatatttg atttaattgg gagacaattt gtgcttcac ataatttcat 480
 caaattaatt atcgatgggt aggatctcat taattatgat ttgggtgtgt ctgaaaggct 540
 tccgattct ttttttgag 559

<210> 10580
 <211> 573
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125b09d1

<400> 10580

tttttgtttt tttttttctt caaaaaaaga atcctggaag cccttccagc tcatccaaaa 60
 tggtaaatta atgaaattct aaccatcgta taattaaatt tgatgggaat tatgatgtag 120
 cacaaaatgt ctcaccatta aaatcaaaat aacaagtcga agttttaagt aacttaggac 180
 agaacttaaa aaaaaaaact aggtaaaatg agagtagata actcgggtaca ttatgtcact 240
 tagcacttaa cctcctttaa ggcatatgca tagtataaga atgttggatc atcaactcca 300
 tccttgtagt atgcaaagac caagcaagca tcatcattca tgctctcccc aacaaaagac 360
 tggaaatcct taatcttaca gagcaggtat ttagttgctc cctcaatgtg cttttttaaac 420
 aactcttgct tctctgcac aagcttggga gtcaaattct tgataaacct cttcatgaaa 480
 gtaacaaact gtgtcttatc aatagcagca tgctcctgaa gtctgaatgt atcaacaatg 540
 tcaacaacct taacagctgc gtcacgact ccc 573

<210> 10581
 <211> 522
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125b10a1

<400> 10581

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 gtgattgaaa gagaaggaag aagaagcagg aaacggaagc agtgagagct ggtagagaag 120
 gagcaatatg tctaggtcaa ggtgatggcg tagccaagga cagcactgag actgaactca 180
 ccaaaatccg tctcctcagg gcaattgttg aaaccggtga tccctcttcc aaggaagagg 240
 atgattttat gattagaaga ttcctgcgtg ctcgtgatct agatgtagag aaggcttccg 300
 ccatgctcct caagtacttg aaatggagaa attcatttgt tccaaatggc tctgtatctg 360
 tgtcagatgt tcctaacgaa cttgcacaag ataaggggtgt tcatgcaagg acacgacaag 420

ataagtcgac ctatacttat ggtcttcggt gggagacatt ttcaaacag gatggtcttg 480
atgaattcag cgatctgtgg ttatgttctc gataagtatg tg 522

<210> 10582
<211> 618
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220125b10d1

<400> 10582

tgtgtctatc tatctagtta agcatagtct atttattacg ttgcatgcc a tgctcactaa 60
tctgcggacg ccctttttgt tttttttttt atgaaaaaaa aatcgtactg atttactact 120
gaatattgat agctgataca acagtgtaaa gtaatcgggt aaaaagaaaa cggcattgaa 180
acacataaat aagaaataac aatatttatt tttaggcccg gctctcctta ttatgtcagc 240
ggttacttaa ttaattagct atcttgaatt gggactaatg gcaagaagcc accgaatatt 300
tctgggacct gactttcctt catctcttct agcagtgttg atttcacctt atttttctgc 360
acaaatacta tctttctctt ggtttcgttg tcaatgaatg ggtaaacaat ttggcacact 420
ttcataaaga tgtatggtgc gttcacaata aacaacttgc ccaatctatc tgggtagtaa 480
tcctgcaaaa tggatagagc actatgatat ccacgcacgt cactgtttga gtattcccat 540
cccttaagtt ctgctatacc gacaaactat tcttcccagg ttgcatactt gcacatactt 600
tatcaagaac ttaaacaa 618

<210> 10583
<211> 547
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220125b11a1

<400> 10583

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ttcaatgaag aagcaggtag ggctgtgatt cccgtttatg ggatgggggg gttggggaaa 120
accaccttgg ctaaacaagt ctatgatgat ccaaaagtga agaagcgttt caggattcat 180
gcttgatca atgtttctca gtcttttaaa ctatgatgagc tcctgaaaga cctgggttcaa 240

cagctccaca ctgtcatagg caaaccagct ccggaagcag ttggacaaat gaagagtgc 300
 cagctcaaag aggtgatcaa gaacctgctt cagcgaagcc ggtacctggt tgtgctggat 360
 gatgtgtggc aagtaaaggt atgggattct gtcaaacttg ctttgcctaa taacaaccgt 420
 ggcagtagag tgatgcttac cacacgcaag aaagatatag ctttgcattc ctgtgctgaa 480
 ttgggtaagg gattttgacc tcgaattctt acccgaggaa gaaagctggt atcttttctg 540
 caagaaa 547

<210> 10584
 <211> 490
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125b11d1

<400> 10584

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 gttccctgat ttatttggtt gaaacttgaa gaaatttgca gtcaagactc aggtaactgc 120
 aaagaacaaa atactgcatt cacttgcata ctacatatg tagtatgtta aaagaaagaa 180
 aataaaagtt aaaccttcca gagcgtacaa atttcaagac ttctgattgc agtaccacca 240
 ctggaatcac tctctctctc tctaatgtc tctaatgagt agacatccca acccctatcc 300
 ctccaatagg agatataaac tgctggaact tgttgcactc tccaataatc ctcacctcca 360
 tttggacgca gtgctgtaat aaattcttca ggcatatcaa aaagctctat tgattctagt 420
 tttgttaggt gtcfaatgcc taatggtacc tgcttaatga atcacatcgc tggatgatga 480
 gcttttaaga 490

<210> 10585
 <211> 541
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220125b12a1

<400> 10585

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accaccttgg ctaaacaagt ctatgatgat ccaaagtgaga agaagcgttt caggattcat 180
gcttggatca atgtttctca gtctttttaa ctagatgagc tcctgaaaga cctgggttcaa 240
cagctccaca ctgtcatagg caaaccagct ccggaagcag ttggacaaat gaagagtgc 300
cagctcaaag aggtgatcaa gaacctgctt cagcgaagcc ggtacctggt tgtgctggat 360
gatgtgtggc aagtcaaggt atgggattct gtcaaacttg ctttgccata taacaaccgt 420
ggcagtagag tgatgcttac cacacgcaag aaagatatag ctttgcatc ctgtgcttga 480
ttgggtaagg gcatttgacc tcgaattctt acccgaggaa gaagctnggt atcttttctg 540
c 541

<210> 10586
<211> 483
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220125b12d1
<400> 10586

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gttccctgat ttatttggtt gaaacttgaa gaaatttgca gtcaagactc aggtaactgc 120
aaagaacaaa atactgcatt cacttgcata ctcacatatg tagtatgtta aaagaaagaa 180
aataaaagtt aaaccttcca gagcgtacaa atttcaagac ttctgattgc agtaccacca 240
ctggaatcac tctctctctc tcctaattgc tctaattgagt agacatccca acccctatcc 300
ctccaatagg agatataaac tgctggaact tgttgactc tccaataatc ctcacctcca 360
tttggacgca gtgctgtaat aaattcttca ggcatatcaa aaagctctat tgattttagt 420
tttggttaggt gctcaatgcc taatggtacc tgcttcaatg aatcacagcg ctggatgatg 480
agc 483

<210> 10587
<211> 337
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220125c01a1
<400> 10587

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 ctaaccctt gttcctttca ctgtaagcat tctcaattt gacaattttc tcttctctcc 180
 acaaaatgat gtgtgtgcca ctttctctct cctcaattgg ggtgtgaaag tttccacctt 240
 tttctttctt tctttctttc tttctttcca ttatctatgt tagttctgca ttgtttgttg 300
 cttgggcttg ccaccctgtt gcatgctggg gttggtg 337

<210> 10588
 <211> 510
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220125c01d1
 <400> 10588

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 gaatatctcc atctttaacc tgcccccata cgcataata ctttaggata aaagggcata 180
 ttcatttttt tttcagaaga taaaaagaac aaattcccaa agctggatct gaaggcaaag 240
 aaggggggtc atcaccatgc acaatctttt gtaccacata tttacaggaa atctgtcaaa 300
 ttattagaat gtaaaaaatt gacagcaaatt agtacttttt gttttttatg ctagcaatgg 360
 tgttttccct agcacaatgt tactgagtta cttacggtaa ctgactgaaa agtactttca 420
 aggcaaaggt tcttgtgaat ctcccaaacg agacaaatgg agatatgcat cagtgccata 480
 tccttcata aagattantt gaagatcacc 510

<210> 10589
 <211> 294
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220125c02a1
 <400> 10589

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aaatttggcc agcttgacaga ggaaaagggtc cagaactttc cactccaatc cccggataaa 120
 tctaaccac ttgatgctta cactgtaagc atacctcaat tagacagact ttatgctcta 180
 ttcacaaaac gatgtgtgtg ccactttctc tctgctaatt ggggtgtgaa aggaaccacc 240
 ttattctgcc tggccttcaa acattctatc cattctctat gggagaccgc catt 294

<210> 10590
 <211> 427
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125c02d1

<400> 10590
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 ggaatatctc catctttaac ctgcccccat acgcatcaat actttacgat aaaagggcat 180
 attcattttt ttttcagaag ataaaaagaa caaattccca aagctggatc tgaaggcaaa 240
 gaaggggggt catcaccatg cacaatcttt tgtaccacat atttacagga aatctgtcaa 300
 attattagaa tgtaaaaaat tgacagcata tagtactttt tgttttttat gctaacaatg 360
 gtgtttcccc tagcacaatg ttactgagtt acttacggta acttactgaa aagtactttc 420
 aggcaaa 427

<210> 10591
 <211> 391
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125c03a1

<400> 10591
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 tgctactgga tccttcagtg tggagcaact tcttggtgag gggctctttg gacgtgtata 180
 ccgtgctcaa tttgatgagg gaaaggttct tgccgtgaag aagatagatt catctgtcct 240
 tccaatgat atgtctgatg attttgtaga actggtttca aacatatccc aattgcatca 300

tcccaatgtg accgagcttg taggttattg ttcagagcat ggacaacacc tactagtcta 360
 tgagtttcat aaaaatggat cacttcatga c 391

<210> 10592
 <211> 440
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220125c03d1
 <400> 10592

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 attttattta gactaatcca aaatattgga cccatacaat cacaaattgc catgaaaaag 120
 gttgatctga gtcctagtta ttacaacaag attgcaacca tgaatcataa cccaggttca 180
 atttcagaac aggggttaatt tatcgaaatt tatactccca atatactaaa tagggcataa 240
 ccatacccct tgaaattgtg tttagtttaa atagtccaag gggcatttct ttaacttaaa 300
 acattagctg gctgaagggg gttctaaaca agttattgaa atgggagaaa tttcatggcc 360
 ttttaaggcca ttttatcaac acaggccttt ctggttgcca tttacatggc ttgcggatct 420
 tggacatcac cccctttgtt 440

<210> 10593
 <211> 395
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220125c04a1
 <400> 10593

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 ctggtttgaa ggtgaggatt atgggaccaa attatgtccc tggggagaag aaggatttgt 120
 atgttaaaag tgttcaaaga actgtcattt ggatgggaaa aagacaggaa actgtggaag 180
 atgtcccctg tggttaacact gttgctatgg ttggtttgga tcagttcata acaaagaatg 240
 ctactttgac taatgaaaag gaagttgatg cccatcccat tcgagctatg aagttttctg 300
 tctcacctgg tgttcgtgtt gctgttcaat gtaagggtgc atcagatctt tccaagcttg 360
 tgaaagtctt aagcgggttg ccaagtcaga tctat: 395

<210> 10594
 <211> 485
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125c04d1

<400> 10594

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 cattcacgga caaaaccaca aacaaaactc gacaaaactt aaatctaaag taacattggt 180
 catatgagaa ataaattcgg ctaagttcaa aagtaagtta aatagttcaa acaatttaaa 240
 gcttgtcttc aaactcggag agaggagtca tctgctcctt caagcccttc ctcttgcgga 300
 tgteccgtgac aagctgtgca gcttgagatc cagtctccaa tgggtcagaa gacatcatgt 360
 cccagtgatc aaagacacat tgcgggaaag cctggcctga tggtgcagac ctcaatgtgc 420
 tcgagatacc aaaggactca atgacgggag gtctgctttg atgttgtaaa gcggggtacc 480
 aggcc 485

<210> 10595
 <211> 300
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125c05a1

<400> 10595

caaggaacgg ctcacatggt ttgtgatcat atggaattgt atggttctta attacgtagt 60
 aataggaaaa aagtagttgc cgccacttgc aacattcagg ttcttccaat ctttttggtt 120
 gtttatgatt tgcaactcaa gtacgttttag catgtctcag ttatgatggt tgggtaaccg 180
 tcgtgctggt tatctatacc tgagtttttag gggaagcttg tggccctttt tgtttttagaa 240
 tatgttatgc tgaagtttgt aatagttggt tgattataag attcctgata tttttatttt 300

<210> 10596
 <211> 306
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125c05d1

<400> 10596

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 aacgtatatt gaaacaaaaa gggccacaag caccttttcgg ccaagctgta tcatgacacg 120
 gagagcatgc taccactgct tgagatccta aagatgctca acgttcttga gttgcccac 180
 ataaacaacc acaatgattg gaagaacctg aatgttgcaa gtggcggcaa ctactttttt 240
 cctattacta cgtaattaag aaccatacaa ttccatatga tcacaaacca tgtgagccgt 300
 tccttg 306

<210> 10597

<211> 373

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220125c06a1

<400> 10597

gtaggcaata gagatcatgg cagttgaaga gtcttatcca ttgcaagaga caaggagggc 60
 caaaggaagg gtcatttaca caatcttctc tttatcactt tttgtgggca ttttgttcat 120
 ctgggtttac agagtgagtc acatacccag agaagggtgaa gatgggaaat gggcttggat 180
 tggtttgctt tgtgctgaac tatggtttg tctttattgg ctctcagac accctttcag 240
 atggaaccct gtgttcaggg aacctttcag acacaaactc tctcaaagat acgaggagat 300
 attgccaaga gtagacatct ttgtgtgcac ggcagatcca aggattgagc cagcagtgat 360
 ggtggatgaa cac 373

<210> 10598

<211> 501

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220125c06d1

<400> 10598

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 cacttgaata aataacatca ggatattggg gaattgagat gactaacatt cacgttttct 120

aaattacttc actaaaacag aaaaactttg caaatgaaga acacttttaa ctaaaagtga 180
 gaatattaaa cattttaact tatggcaata aagaggacac atgcacttag agccaatgtt 240
 gttgatttaa ctgcaacaga tattggtaat cttcccttgt cttttcttag gtcgaggcct 300
 tggtacacag gtacattgat aagaaccaa actccactta gtagaacttg caatgccatt 360
 gtttcataaa ttctgagacc cccttcactt atgaatactt gctttagtaa cattccaaga 420
 agacaaaaca aattgagcaa tgcaagtgtc gcaagtaaag tgagcattgn ggatgagttt 480
 ccaaactcca taacttcttt t 501

<210> 10599
 <211> 387
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220125c07a1
 <400> 10599

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 aatgggcaga gtccactgga caggttcaca tcagtagtag catggagcat atctaccaca 120
 cgccccacat cttttggtgt tgctccttat aatccactc ttggagagac ccaccatgtt 180
 tccaagggca atctcaacgt cctagttgag caggtatcag tcaaccctcc agtatctgcc 240
 ctccatgcaa cagatgagaa ggaaaacatt gagatgatat ggtcccagca acctgttcca 300
 aagtttcggg gtacatctat tgaagctcaa gtgcatggta aacgtcagct gaagctccta 360
 aatcatggag aaacatatga aatgaat 387

<210> 10600
 <211> 515
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220125c07d1
 <400> 10600

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 tattcatcaa actatctcac tatacattaa aaatttaaaa taataacaaa cttaggatta 120
 aatgaatttc atgagtacaa caatgaatct cccaatccct ttggcgcca accagaaata 180

agtgcgtttc aatttttgaa cagcctaact gcgttttggc tgcattttaa gacatcatag 240
 tacatagtag atacaataa attattgagc tatgatgggg gcctcagggg cccatttatg 300
 agttggtgaa cagtccatt cccacgtgtc tttaccgtag gacaccctaa aattcttagg 360
 aaaccaagtt tctcctttca tggctctgtc tctcaacacc ttctgtgtc tttcttccac 420
 atcttggttt gcttctcttg ctctttccca atctttgtc ataatggctt ggctcaactc 480
 actccatata agggctgatt cggttggcca cacac 515

<210> 10601
 <211> 487
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220125c08a1
 <400> 10601

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 aatataacttg ctctcttca tgctgcaa acaccaact tcttcaacca caaccacaac 120
 cactttgtgc attaaaacc ccacctct cagtccaca caatgtatct tatctttggt 180
 gtcctttttt ttttttggtt cccctctcat cactctgcaa ttctctgcct ccaaactatgc 240
 cattttctag tcttggttt gagttattat aattataaat gttctgttat ttattttgtg 300
 ctaagtaagc tggtttgcca aatttagaca ttgaaagtgg catatgcttt catttgatta 360
 taaataaaag tagcatttct agttctctca tttcttctt agagaacttg tgcttacaac 420
 gtaaatgact aaatgtagag cctgatttgt gattgcttca ttctgagta cttacaatgg 480
 aaatatg 487

<210> 10602
 <211> 520
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220125c08d1
 <400> 10602

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 tggccctacc gtgtcgtaa aggctaacat gggtgatgct gagtacaatt gagtaccaag 120

ctatatatgt ggcttagatg atacaaggac taacatgttg gtacctctca tgctaatatg 180
 ctccttcttt aggttagcaaa tatgagagga gaatttcggt ccacatatca ggaacaccgg 240
 ctaagcacca atggctacaa tcaggcacag atggcttggt actccaagtg cccacgtgtc 300
 catcacttct atatgcagtc attggtgtaa catgcagaac tgttactgga gcactcatgt 360
 ttttgacaac tttgttgatc atatttgaaa ttgggtttct atccttgccg ttagttctct 420
 tccaaggcct ttgagtcact atgcaagaat tgtggttctg tccactccaa tgagatgatt 480
 cataggtgcg gaagaatatt cttgtcctgt ttggattaat 520

<210> 10603
 <211> 395
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220125c09a1
 <400> 10603

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 ctgaggttgg gagcctcagc aaagaggacc tatggaagaa gctttgggaa gacgcgcgtt 180
 acgaccttgc tacgggttctt gcttcctttg gggctctcgt tttcaccttg tccgtctact 240
 tcatgtcgag gccacgtccc atttacctca ttgattctgc atgttataaa cccgatgacg 300
 aactcaaggt gtcaaggag cagttaatgg atgtggcaag gaaatcaggc aagttcgacg 360
 aagcaagtct agagttccag aagaggatgc taatg 395

<210> 10604
 <211> 553
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220125c09d1
 <400> 10604

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 aattaaacaa ggaggcaacc atatgcctaa tgagggaatta aaagtataga atttcaagcc 120
 aggaataata aaatgagaaa gaaacagaaa gcagctgtaa catttttaaag accaacttag 180

aactaccctt attgataccta accatagctt tcacatgacc tcaactgatag attcataata 240
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aagccaaggg ttcctagaag gcttggcaac tcggcgcatg gcgcgcctaaa ccacgctgtt 360
gcacttgatg cctgtgccaa atgcgagttg ccaaacgcgg tctcctcttc tgacactctc 420
ttttgcttcc atgttagcca actcatacca aatgctgctg ctagaggtgt tgccaaagcg 480
gtgcactgtc atcctagatg cttcgatgtt cttgtcactc agttctaagt tcccttgaag 540
ctcatcaaga atg 553

<210> 10605
<211> 557
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220125c10a1

<400> 10605

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tgataggaaa attgggggttg ctttggactt ttccaaagga agcaaaatcg ctctgaaatg 120
ggctattgac aatcttatca gcaacggtga cactctctac atcgtccaca ccaagccttc 180
cggaggaagt gaatcaggaa atcttctctg gtccaccact ggttcacctc tgattccatt 240
gtcggagttt cgtgaaaagg aggtgatgcg tcaactatgag gtggatactg atgctgaggt 300
gttggacttg cttgacaccg cttctaggca gaaacaggtg aatgtggtgg caaagctata 360
ctgggggggat gcaagagaga aaattgtgga agccgttggg gatttgaagc ttgactcttt 420
ggatcatgggt agcagaggct tgggtgccat acaaagggtg ttactgngga gtgtgactaa 480
ttatgtcacc gcaaatgcga gttgccctat aacgattgtg aaagactctg cccttctact 540
atctgataag ctactga 557

<210> 10606
<211> 542
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220125c10d1

09531113.032200

<400> 10606

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ttatttataa gcacaatttt gtggctataa ccatgcgctt aaaagagact ctgaaaatat 180
acattatgct tgccaaatcc ttaatcattc aagtgtgttc ataatcccaa ttaaacaatgt 240
gtaagaagta agaacggagg gaaacacact ctggtcactg atgaagataa aaacaaccga 300
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aatcgttata gggcaactcg catttgcggt gacataatta gtcacactcc ccagtaatac 420
cctttgtatg gcacccaagc ctctgtacc catgaccaa gagtcaagct tcaaatcccc 480
aacggcttcc acaattttct ctctgcac tcccagtat agctttgcac cacattcacc 540
tg 542

<210> 10607

<211> 578

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220125c11a1

<400> 10607

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acacatgtgt tggaggcat tgttacaggc tagtctttat tgtcatgact ggagcatgca 180
ttgttggtatt cttcttagac attctgttgt caatcagaac caagaatatt tacaccaaga 240
tttccacgag caagaagccc aagaatcct taggaacatc aaataggcag tgattcagaa 300
tggtatgaca ttcttgggat tgatgaactt tatgctcaag tgatatctca gtatccgtca 360
gcaagggtgac ttgtcctatc tgatagttaa aactcatttt tccaataaag gagggccatt 420
tgtttttaat tccatttagg cctccatgta ctgggtatat tagttntttt tatgatgtgg 480
gatcagagag aattctttct gttccatag aaaataagtg tatntagtat cgtgagaagt 540
ctttgataga ttaaatatca cgctgtgtta ttatagct 578

<210> 10608
 <211> 566
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125c11d1

<400> 10608

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tggacagact agtgactatc gctattagcc aaataacact gactgggtacg aacaaacagc  180
taataataac acagcgtgat attttaatct atcaaaaaac tctcacgata ctaaatacac  240
ttattttcat atggaacaaa aagaattctc tctgatccca catcataaaa aaaactaata  300
ataacagtac atggaggcct aaatggaatt aaaaacaaat ggccctcctt tattggaaaa  360
atgagtttta actatcagat aggacaagtc accttgctga cggatactga gatatcactt  420
gagcataaag ttcatcaatc ccaggaatgt cataccattc tgaatcactg cctatttgat  480
gttcctaagg atttcttggg cttcttgctc gtggaaaatc tgggtgtaaatt attcttggtt  540
ctgattgaca tcagaatgtc taagaa                                     566
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<210> 10609
 <211> 580
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125c12a1

<400> 10609

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acaaatggtg gctacgtgtg tcctctaca taatctttct tcttgtaggc caatctgcag  180
ccactctttt gggaagatta tactatgaca atggtggtaa tagcaaattg atggcaacat  240
ttgttcaatc agctggattc cctgtacttc ttccactcct tttttacttc ccaagacaaa  300
cacatgcaa gtttaataac aatcccagca ataattgatta ttctacaaa aaaaaccac  360
aattctgcac ccttgttttc ctctatctag cttttggcct aattctcaca ggggacaact  420
tgatgtattc ctatggactt ttatatctgc ctctttccac ctattctcta ctatgtgcca  480
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cccaattagt cttcacgagg tggttctcttt cttcttcaat tcccagagaa tcacagcatt 540
cataatcaat tctgtagtcc tccttaccat atcagcttct 580

<210> 10610
<211> 227
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220125c12d1

<400> 10610

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aaccagagac aaacgggggtt aaacaaatta ctctgacgga aacggggcgaa cacctacca 120
taacaaaatg tgccccgcca ggggaacacc cccgggggac cattcttagt cggccagggt 180
tatatgggaa caaaaagaat gggctccgct ccaaaacaaa aggccccc 227

<210> 10611
<211> 311
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220125d01a1

<400> 10611

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tggcttgctt gcagccaagg gaatgtgggt gcacattcaa tagagatttt ctaattcttc 120
atttaatttg tatgctcaat cgaaattcta atttattaga aaagacttta gtttctaatt 180
actatacatt attattgcac gggtaatgct gcttattagt atgtgttttg aactagggtta 240
tattgcgtgg ccttcaaata ttttatctgt acgtgttttg aaaccatta ataacatgag 300
aatcgcatt c 311

<210> 10612
<211> 379
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220125d01d1

<400> 10612

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 taaacggaag aaatcaaaaa ccaaaggctt tccaaaaaaa ataaaattcc gattggggcca 180
 accaagtaaa tggaaaatta aaaaaacttt actgaatggc ccccccaaaa cccttgggtg 240
 aaagccaacc cccgtaaagc accaaaaccc aatcatatcc cggaggagct atggccttgg 300
 atggaggccc ccctaagccc aaatccgaag ttaccaacgc ggatctgaaa ctttatagcc 360
 ttttaatagg ggcccccaa 379

<210> 10613
 <211> 312
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220125d02a1
 <400> 10613

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 tggcttgccct gcagccaagg gaatgtgggt gcacattcaa tagagatttt ctaattcttc 120
 atttaatttt gtatgctcaa tcgaaattct aatttattag aaaagacttt agttttctaat 180
 tactatacat tattattgca cgggtaatgc tgcttattag tatgtgtttt gaactaggtt 240
 atattgcgtg gccttcaaatt attttatctg tacgtgtttg gaaaccatt aattacatga 300
 gaaatcgcat cc 312

<210> 10614
 <211> 335
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220125d02d1
 <400> 10614

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 aaaaagggat agaaactaaa acctaaagtg ttttacaatg aactacaatt tcgcacgggc 180
 ataccaaatac aacgaacaat tccaaaacca caaatgaatg ggcaccccca tatccagggg 240

gctgattggg actgtataaa caactcgcgc aatcgatgac ctgttgctaa ttgattttga 480
gta 483

<210> 10617
<211> 360
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220125d04a1

<400> 10617

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ggtgatagag tgaagagaga tgaatggagt gaaggggcag tgtcaaccct ccttgaggct 120
tatgaggcca aatgggtgct aagaaacaga gccaaactca agggccatga ttgggaggat 180
gtggcacggc acgtgtcggc acgtgccaac tgcaccaaat caccaaagac ttcaacgcag 240
tgtccgaaca aggttgagtc cctgaagaag agatacagat cagaatcagc agcaacagca 300
gatcatgcat catcatcatg gcctcggttat ccacggcttg atcttattcc tatgggaact 360

<210> 10618
<211> 476
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220125d04d1

<400> 10618

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aattatcttc cataacctac ccttaacttc ttccaattct tagagatgaa tcaacacctt 120
tattgttgac acttgcaaag atcctagcaa tctctaactg tgtattggca attatttcag 180
ttctcttaag gtccatttcc cctcttttgg cctcagcttc aactctcatc ctctctatct 240
ccttcattgc gtccattctt gcttggtcag accttatcat agcttctgta agccatctta 300
agctttctgc tatctccaca cactctttcc ttcttcgccc tgtgtcgtca attgatttct 360
tctatctctt gttgcatctt aaccgcctct tcttgctata aagtgtggc gtgctgctat 420
ctgagtccaa tggattcttg ctagatactt gatcagatga cttaggtcct aacca 476

<210> 10619
 <211> 208
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125d05a1

<400> 10619

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 aatcagttat agctcgaatg tccaagggc gagagtgtcg ccaccgtcca agagctctct 120
 gagtccaccg ctgttctctc cgctcgcgga atgagctgcy ctgcctgcgc cggatccgtg 180
 gagaaggccg ttaaagcct ccccgga 208

<210> 10620
 <211> 402
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125d05d1

<400> 10620

gtacactaaa ctaaaatcat cacaagacga cacttataaa catgattaca taaaaattg 60
 gcttaaagca aaaccatcaa tcgtgatgcy tcatatatca ctggatgact caacccttat 120
 gccacgtatc tcaaggttgt ctagcttctt gggctctctg taatatttca acaacagaga 180
 acagcaaaca acgctgacag aggaggcagc catagcagcc ccagcaatcc aggggtggcaa 240
 tctgaacctt gtagaaggga aaagagctcc agcagcaatt gggatgcaa gcaagttata 300
 acccaaagcc caaaagtaat tcaggcgat acgggaaaat gttcttctgg aaaggtcaat 360
 ggcagttatg acatcctcca agttgcttct catgaggaca tt 402

<210> 10621
 <211> 360
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125d06a1

<400> 10621

cattgactag aaatcccata ttttcccccc acattaactc acccaacccc tttttctaaa 60
 aggctcaag gatacactcc ggacttaatt acgttatttt gttagggtca ccgtttcgag 120

atattctaaa cttgtactga aaaatatgga gggaaaagaa gaggacgtaa gagttggagc 180
 caacaggtag ggagagagggc agccaatagg gaccgctgct caggctaaag actacagaga 240
 gccaccgtcg ggcctctctc tcgaaccggg agagttgtca tcgcggtctt tctataaggc 300
 tggcatagca gagttttgtg gccactttct tgttctctca catcacagtg ctgactgtga 360

<210> 10622
 <211> 444
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220125d06d1

<400> 10622

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 ctctagcaaa tatagacctg cagtttctgc tttgtgcaga gaagctgtta aatagaagga 120
 caaaaaaaga aataaacgat gcataccaca cggtttgcgc aagttctaatt gcgtctccaa 180
 atacatgaga tttgaataga ttaattatgc ataaattaat agtagtagta gtagtaaadc 240
 attagcagaa gtcataggaa catcttttac gtgggaatgc tgtcttggac tcaactagtt 300
 actactttta tttttgaggc attattcctt caattcatct tcaatgttgc atcactttga 360
 cgagaagggg atggccctga tcaactatctg atggtacaaa gctgcaagtg ctgccccatg 420
 aaaggcccac ccaaaatatc aatg 444

<210> 10623
 <211> 337
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220125d07a1

<400> 10623

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 aatatacttc ctctcttcca tgctgcaaac acaaccaact tcttcaacca caaccacaac 120
 cactttgtgc attaaaaccc ccacctctc cagttccaca caatctatct tatctttgat 180
 ttcctttttt ctttttgctt cccctctcat cactctgcaa ttctctgact ccaaacatgc 240
 cattttctag acttggattt gagttattat aatcataaat ggtccgagct ttatttcgag 300

ctaagtaagc tggtttccca aaattagaca ttgaaag

337

<210> 10624
 <211> 492
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220125d07d1

<400> 10624

gcaaatgcc a attatttgac atcactcttt ataaacatta ttgatttaca aatgtacatt 60
 tggccctacc gtgtcgtaa aggctaacat ggttgatgct gagtacaatt gagtaccaag 120
 ctatatatgt ggcttagatg atacaaggac taacatgttg gtacctctca tgctaatatg 180
 ctcttctttt aggtagcaaa tatgagagga gaatttcgtt ccacatatca ggaacaccgg 240
 ctaagcacca atggctacaa tcaggcacag atggcttgct actccaagtg cccacgtgtg 300
 catcacttct atatgcagtc attggtgtaa catgcagaac tgttactgga gcactcatgt 360
 ttttgacaac tttgctgac atatttgaaa ttgggtttct atccttgccg ttagttctct 420
 tccaaggcct tcgagtcact ttgcaagaat tgcggttact gccactccaa tgagatgatt 480
 caaaggtgcg ga 492

<210> 10625
 <211> 435
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220125d08a1

<400> 10625

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 aatatacttc ctctcttca tgctgcaaac acaaccaact tcttcaacca caaccacaac 120
 cactttgtgc attaaaacc ccacctctct cagttccaca caatttatct tatctttgtt 180
 atcctttttt ttttttggtt cccctctcat cactctgcaa ttctctgact ccaaacatgc 240
 cattttctag tcttggtatt gagttattat aatcataaat gttctggtgt ttattttgtg 300
 ttaagtaagc tggtttccca aatttagaca ttgaaagtgg catatgtttt catttttcta 360
 taaataaaag tagcattttt ttttctctca gatccttctt agagaacttg agcttacaac 420

gtaaatagact caatg 435

<210> 10626
<211> 490
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220125d08d1
<400> 10626

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tgccctacc gtgtcgtaa aggctaacat ggttgatgct gagtacaatt gagtaccaag 120
ctatatatgt ggcttagatg atacaaggac taacatggtg gtacctctca tgctaatatg 180
ctccttcttt aggtagcaaa tatgagagga gaatttcgtt ccacatatca ggaacaccgg 240
ctaagcacca atggctacaa tcaggcacag atggcttgct actccaagtg cccacgtgct 300
catcacttct atatgcagtc attggtgtaa catgcagaac tgttactgga gcactcatgt 360
ttttgacaac tttgttgatc atatttgaaa ttgggtttct atccttgccg ttagttctct 420
tccaggcctt tgagtcactt tgcaagaatt gcggttctgt ccactccaat gagatgattc 480
aaaggtgcgg 490

<210> 10627
<211> 367
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220125d09a1
<400> 10627

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taagacctta caggctcacc cagatcgctt cctaccagac aggggttcagg ttggcatgac 120
tcaacacttc atgaaaagct actctgatct cctcatcagg acgtgccaca ggccggtgtg 180
gcatgctatg ggaggaatgg cagcacagat tccaatcaat gatgaccag tggcaaatga 240
tgcagcactg gaactggtca tgaaggacaa gcttagagaa gtgaaggcat ggcacgatgg 300
aacttgggct gcacaccctg gtctcattcc agcctgcatg gagattttca acaacaacat 360
gggcaat 367

<210> 10628
 <211> 617
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125d09d1

<400> 10628

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 atattttata agaacgaaaa atatagggtt cttcttttta ttgaataacg ataagtcgat 180
 aatcactaag tcatagacac aatgacacca tcgtgcattt gtgattttct cacatcagca 240
 actagaagta cacaagacag agtccaagtg atccaactat taggcaataa agaaccctt 300
 agttcaaagc tttagcgggt ccttccttgg cgtgatgcac aactatgtaa ttataggcat 360
 ccaaagtgag aaaatcatca agagttgggg acgtgcattg gcgagtgaag atcttgcaag 420
 ccgccttgta cattcccttg tagaacttct ctgttcccac ttccttttca atcctagcca 480
 tctgttggtc aaccactcta tcaaaaaggt ctttgttcac tttctctcca agcccatctt 540
 catctagctc cactccatac ttgagccact gccagttctg caccctgcta atctcagcag 600
 tggcagcatc ctccatg 617

<210> 10629
 <211> 509
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125d10a1

<400> 10629

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 gagagagagc gagagagaga gagagaatgc cacgctgggc tatcgcggtg catgggtggcg 180
 ctggtgtcga ccctaacctt gcactcaagc gccatgaaga agctaaacag cttttcacgc 240
 gctgtctcaa tcttggaatc tctgcatctg cacttctaata actatccgcc atagatgtcg 300
 tcgcacttgt gtaccacgga attggaaacg gatccgttgg tcaattcggg ccgtgcatct 360

cacatgccaa gtttaataac aatcccagca ataatgatta ttcctacaaa acaaaaaccaa 360
aattctccac ccttgttttc ctctatctag ctattggcct aattctcaca ggggacaact 420
tgatgtattc ctatggactt ttatatctcc ctctttgcac ctattctcta ctatgtgcca 480
cccaattagt cttcacgcgg tgttctcttt ctctctcaat tcccagaaat tcacagcatt 540
cataatcaat tctgtagtcc tncctaccat atcagcttct ct 582

<210> 10632
<211> 336
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220125d11d1

<400> 10632
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aaaagtatgt gggcacaaaa gggggggccac cagcccaaga gaaaaatggc ccccgaggg 180
gggaaacccc agggggagaa tttttttggg gccgggggtt tttgggaaca aaaaaaaggg 240
ggacccccca aaaaaatggg gcccccaagg ggaaaaccag gggggaaaat tttcccccca 300
tgggcttggc aaggggagaa accccggggg gggggg 336

<210> 10633
<211> 589
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220125d12a1

<400> 10633
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aaccaaaacc cgggttcgga gtcctttccg tacttcgaag acatgaacga actcgagaca 120
gtcttcaacc gcttcgacgc caacggcgac ggcaagatct ccgccgacga actcgacagc 180
gtgctccggt cgctcggatc cggcgtctct cccgaggacc tccgccgctt catggaagac 240
ctcgacaccg accgtgacgg cttcatcagc ctacagagat tcgccgcctt ctgccgctcc 300
gacgccttcg ccgacggcgg atccggcgag ttccgcgacg ccttcgatct ctacgaccgc 360

gacaaaaacg gcctcatctc cgccgaggag ctccacctcg cgctcaaccg cctcgggntc 420
aagtgtccg tcgacgaatg ccgacgatg atcaagtccg tcgacgccga cggcgatggc 480
tgcgtaact tgaggagtgc agacgatgat gacgacctcc agaatcgtgg cgcgccacca 540
tggctcgtnc atagctttcg cgcgatcgat tctgacgcgt tcgtgactg 589

<210> 10634
<211> 289
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220125d12d1

<400> 10634

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acacgagcac gaaaccgaga accggaagaa aggcctcccg gggagaagcg aagacccgga 180
acgattgacg gcacaccag gaagctagca cggcggcacc atcaaaataa ccgagggggg 240
ggaaaccagg ggtcggaccc cttggggggc gccccaaaac tctggggggg 289

<210> 10635
<211> 312
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220125e01a1

<400> 10635

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cctcagcctc aactcacac atacacacat ctgaacgcgt atcgctccctc ccatggcttc 180
aaagcgcac ctcaaggagc tcaaggactt gcagaaagac ccaccaactt cttgcagcgc 240
tggtccagta gctgaggaca tgttccattg gcaagcaacg attatgggtc ctgctgatag 300
tccttatgct gg 312

<210> 10636
<211> 457

0 1 2 3 4 5 6 7 8 9

<400> 10636

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<210>      10637
<211>      325
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220125e02a1

<400>      10637
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<210>      10638
<211>      548
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220125e02d1
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002220"EFFE60

<400> 10638

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ggtttgatgg tatttgggtca tagacatcat taaataagtc ctgaagtgga ggtttttgtg 180
ctttctctgc cacctgaatc gcatgcatta actgcttctt gacactgctt ctaagctcca 240
attcatcctt gtcactccac caaccattcc tttctacceca tcttttgaac ctattcactg 300
gattccttgc catcttccaa tattcaatct catcagttcc ccggtactta gttgaatcat 360
cagatgtaga gtgatgtcca actctataag tgagagcctc aattaaaact ggcctttttt 420
cttttatagc gattttctta gcagtgtgaa ctgcactata aacagcaaga gcatcatttc 480
catctactct gatgctccag atgccatang cnttaccctt aactacaata ccatcacttc 540
gaaattgg 548

<210> 10639

<211> 421

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220125e03a1

<400> 10639

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gagaggtttg atgaaactct cactggtcac aggaacgaaa ttttggccct tctgtcaagg 180
cttgaagcca agggcaaggg aatcctgcaa catcaccaag tggttgcaga gtttgaagaa 240
atccctgagg agagcagaaa gaaactccaa gatggtgtct ttggagaagt tttgagatcc 300
acacaggaag ccatagtgtc gccaccattt gtagctcttg ctggctgaca aggcttggtg 360
tatgggaaat ctgcgtgtga atgtgcacat gcttgctgct gatgagcttc gtctgtctga 420
g 421

<210> 10640

<211> 353

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220125e03d1

<400> 10640

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 aagctttttaa aaaaaaaaaac ccctccgtgc cccctttttc cccccaaccc cagctccact 180
 ctgacacccc cccccctttt tctaagccc ctttacaccc caagcccgac cccctcccaa 240
 aagcgagcca gaacctacaa cagccccgcc agcacctgac cccccaaac cccgtgtgcc 300
 cactaaaggc ccccgaacc agcaaacc ccttgacac caacggcccc cac 353

<210> 10641

<211> 429

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220125e04a1

<400> 10641

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 cagcactccc aaaactgaga agtcttctga tgatgggtgaa aatgagcatc ttagatatgg 180
 tttatcatct atgcaaggct ggcgtgcaac aatggaagat gcatatgctg cacatcttga 240
 tctggatgca tccacttcct tttttggtgt ttatgatggt catggaggta aaagtgggtg 300
 caaagttttg tgccaagtat cttcaccagc aggtgctcaa gaatgaagca tacatagctg 360
 gagatatagg aacctctctt aagaatcatt tttcagaatg gacgacatga tgcgtgggtc 420
 aaggggatg 429

<210> 10642

<211> 522

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220125e04d1

<400> 10642

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 ttgctaatag ctataaaaac taacatttgg agcctcttat tgaacaagca aaacagattc 180
 taggtgtgaa aataaacaca gaaatttggg aacaaatgct agttgaagtg aaaatgatca 240
 tctagactca tgtgtctaca tgtgtgtagt gttgctgctc aaaatttact aacttttact 300
 gctctctagt cttagttcag atgtagctta tttcatttga agatgatagc tcttatgtta 360
 tgccggtgca cttgattggg ccagtttttt gaactgcacc aaaatcatgg tcatgttatc 420
 acatccatca ccaacagtaa ttgttggtgc caaacattga tctagtactc tttcgcaacg 480
 gcagaagttt agtttccaga gcagttggtg acgacaaaat ct 522

<210> 10643
 <211> 322
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125e05a1

<400> 10643

ttctccctca ctctcttttc agttaggggt tgcagaacgg tggtagaggt gtggattccc 60
 aaattttgaa ggtaatttct cagaagcaga agaagtagtt ggcacttgat atggctcgaa 120
 ggaagagtat tgctagcaga aaattaacta agcgtcagat ggtactggca gagaaagatc 180
 acaataaagg aaaagcttct aatagtcatc caatgaaaca acatactaga catctaggac 240
 agacgacttc tgaaattcca ccttgtgctt catcacatgc aatatctcgt gccactgatc 300
 catttgctag gacatttgac gt 322

<210> 10644
 <211> 577
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125e05d1

<400> 10644

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 tcacttggtg gaggatttcc ttgcgcaa atgcacttttg tcaattgttc caatgttcgt 180

gcaaattcct cattgacatg ttgtgatctc ctatccacct atagctgagt atatgggtca 240
 gttcgggtcca ttttgggtctt caattaaatg aactacacca agctgaccca cattaaatgg 300
 accacatttt tacctagact gcatccagcc cacttatctc acaggctaata ggactgattt 360
 gctggcccaa taataaaaaa aaattgaaaa ttgaaaacac tagtcaactt tttgaaaaat 420
 gataaaaaaa tttgaaatat ctctaattct ttacatcaat aaactataaa tattgaaata 480
 ctaagaaaga aatcaacgta tactaatcaa atccaagtaa taattattca aatcactaat 540
 aaactataca atataaatat attcaaaaaa gtatctg 577

<210> 10645
 <211> 238
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220125e06a1
 <400> 10645

tcgtatatga ttggtcggtc atagcagcgc ttgctcatcc actccaccct tgaaaggaaa 60
 caaaattcac acacagaaga atagaagggt agttaagctt gcttaagcaa cgcagagaga 120
 aacaaaagga gcttttgttt atccaggcca aattgtaatt aatcaaactt tctgggatct 180
 tcttctttct cttgccatgg gcgcgtcgcc gtcgtctttc gccgcgggaa acatcatg 238

<210> 10646
 <211> 429
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220125e06d1
 <400> 10646

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 caagtcaaac aaactataca tacaacgttg tattaagatc aactatgcac acaatccaat 120
 gatgacgcaa accaacacaa accataaaga aagaaaacag aaactacaaa agattcactc 180
 aatgcaaagg cttttataag ataaagggtt gaatctcatt tattcaagag ataatggcat 240
 cagaaagaat attctcttta tcttacaaga tgtatggatg aacactattg ctgcttatag 300
 tagccacttt ggtgaggcgg aggatatgga gatggaatgg tataaggagg ccgaggaaca 360

gaaccagggtt gctgtgcttg tgcattgtag tacggaccac gccatccggg atatgctggg 420
 tggccatac 429

<210> 10647
 <211> 381
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220125e07a1
 <400> 10647

gaacaatgcc atgtacctca tattgttgcc aatattttta cgggttttct atttgggtcca 60
 tctgttctgg gacgttgga tgcctttatc aaaaacgcat ttcctttcag taacatgata 120
 ccatttgaaa ccgtgggagg gatggctcctt gtttactacg tgttctttgt aggtctagag 180
 atagacttga aaccaataac gggatttcac aagaaggcca tggttattgt catttctgc 240
 acaatcttca ccttaccat agggtttggc ttgtactaca tgcttgtcac cgacatgtgg 300
 cgcaaaccctt tgccccttgt caatgctagg ccaaagggtg caatattatg ggtgaattac 360
 ccttttttgc agcagtgagt t 381

<210> 10648
 <211> 534
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220125e07d1
 <400> 10648

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 acaccaagga ttaatttgtc tggatggaaa ttaaatcatt gaatgtgcac actccaacga 120
 gatcctagtc caattaagag gatctagatc catgagaaaa cattcaagca taatgactta 180
 aaagcattgg aaacttggtt gaatggcata gtagttgctg ctccaccatg gcatcaaaga 240
 ctttgtcata agcaacagac gaagcagacc tgacatgggt cccatgaaca agcggagcct 300
 gtctctggaa aatcaaaata gatgtttgag ccgcagagtt caaatcggtc aaagcatcgc 360
 caagaggccc caacgcaggc tcctccaaca ccgcatccag cgtctgcgcc agcgacatct 420
 tcctcccatg ccctctcccc accacatata aatcaaacc tttattccct atcttatcca 480

acaccttcac cgtctccttc tcatccctca ccttcttctn caaataccta accc 534

<210> 10649
 <211> 464
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220125e08a1

<400> 10649

catttttaaa aggacaaaac ttagatacaa gttcattggg tattgtttgt attgtttctcc 60
 aattagaaat ggagtttcac cttggtaatt tgtgtaatcc tttaatatag acctttatta 120
 cacggattac ttggtaaaat ttcaattcta attggagagc aacctaagga actatcttgg 180
 tttggtcctt tttcaaaacc ctggttctgt tctgtgatag atatgtttgc tagttagcta 240
 tttatctttc aaatttttgt taccacagtt tcatttgcaa ttcttcatgc ttcattggata 300
 cagttattgt attggaattt ggatctatgt gtttctttta gttatgggtc aaatctatgg 360
 agaactttgt gcattgacag aggcaggatt ctttagcact gctttccaga ttatggaccc 420
 cacttagccg gtacctttga gatgtaatgc tttgccgtgg caat 464

<210> 10650
 <211> 500
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220125e08d1

<400> 10650

agataacaag atattggaat ttataaactt gtaaataatta tataaaccga tgaacagaaa 60
 agatatatca tcaaccataa gagcctgatt ttctggatca atattctcta gaaaaaccct 120
 tatgtgcaat tttttctgct ctacttgagg atttttggcc aaaaccttgc gcatataagc 180
 tataatacta ttaatcttgt taacatccaa gtgactgata gcaagggtgag tcttgatgcc 240
 ccaatgagat ttcttactaa gattcctcac aacatttaca ctcaaattgt gattaggaat 300
 atgaactgct tcacaatcag aaactctcac tattgttggt gaccaccagc ttacatgcta 360
 tacaaaatat aaaatttgat tacaatgaaa atttttaaag atatatactt ggggaaaata 420
 tcacttataa taaaaatcac ttacactgaa taacattatg ttttctgttc cttctaacaa 480

ccttttcagt aagtaggtga

500

<210> 10651

<211> 449

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220125e09a1

<400> 10651

gaaatttccg tgaagaaaga gtaaatacct aaagtagtaa acgttcacaa ttacatgaat 60

aatcaattga tcgattcccc ttgatcgctc tgttttactg tccgtttcaa atccgacagc 120

agcccagccc ggcccggccc aatcatgact cccaaactcc aaaccgcggc ctccgtggtg 180

gccaccgcca tgctcctccg ttccctcgcc cgcgactacg tcccggcgga gctccaccac 240

tacctccgct gcaaactgtc gaaactcctc tcctcattct cctccgaact gactctggtc 300

atcgatgagt ttcacgggct gacgccaaat cccctcttca gcgccgcgca gcttaccttc 360

aaaccccacg ccgtccccga taaaaaacgc ttccgcgcca ccctgcccc gaaatcgcgc 420

cacgtttccc tnctcgtgga gcgcaacgg 449

<210> 10652

<211> 343

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220125e09d1

<400> 10652

ggggcaaccc cttaaagata tgggggttaa acccctaaaa attcgatttt ttaaccacaa 60

acgggggatcc gaaaaaaccc cccaattaaa aaaaatgctg gggcgtaaaa gccttcaagg 120

ggaaaacaca cttttgcttt attcaagggc tcccccccta ctttaaaggg gccccaaaaa 180

actgttaaaa gaaaattccg gggatacata ttaaaaaaac aggctcccc cctcatgggg 240

aaacaacatt ggccagggac aaatacgaag agcttgaaaa aaaaaaggag gccacttgct 300

cccaaatgaa gaaaaaacac cattttataa cccccaaggg ggg 343

<210> 10653

<211> 572
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220125e10a1

 <400> 10653

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 gggcacaaga tcaagggtac tgtggtgttg atgagcaaga atgtgttgga cttcaacgaa 120
 atagtgtcca ctactcaggg tggtttggtt ggtgctgcca ccggcatctt cgggtgctgcc 180
 accggtattg ttggtggagt tgctgatggt gctactgcca tcttcagtcg caacattgcc 240
 atccagttga tcagtgccac caagactgat ggacttgga atgggaaagt tggaaagcaa 300
 acctatttgg agaaacatct tccttcgtta ccaaccttgg gagacaggca agatgcattc 360
 agcgtttatt ttgaatggga taatgatttt ggaattccag gagcatttta catcaaaaat 420
 tttatgcaat ctgaattttt cctcgtgagt gtcactcttg aagacattcc aaatcatgga 480
 accattcact ttgtttgcaa ctcatgggtt tacaatgcan aaagttacaa agggatcgca 540
 ttttctttgc taataagaca tatctttcaa at 572

<210> 10654
 <211> 513
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmf102220125e10d1

 <400> 10654

tttgtgattt tttttttttt tttttttttt tttttttttt tttttttttt tttttatttt 60
 ttggtttttg acataaaaaa acttgatttg accttcatag atcaaaattt caaacttaca 120
 tacgggggaa cattaccggg gggaacctga ttggggccca atcctttacc taaaaactgg 180
 cccaccccc ttttagattt gaaaaacttg gttccatcca attccaaaac ttaagcattc 240
 ctaagaaaat tttgcccccc taaatttgcc cgttttatttg gcaatgaaag gtcccttgga 300
 aggaaaaaaa accccacccc acacaccaca cactttcatt agaaagaaat gctggtggga 360
 attcccctga aagtaaggcc ttccccactg gtgggaaaaa acccaggggt aggcatTTTT 420
 cccggtccat tacgggtcct aagggttgaa atcttctctc tccctgaaat tttgacccca 480

atttccttca acttggttcc aaacttctta aag

513

<210> 10655
<211> 556
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220125e11a1

<400> 10655

cactaatcct tctctgcttg gaggcctttt tttttttttt tgatggatcc ggcaaaggga 60
ttggaagctt cgggggagaa gacccttcaa gcagaagtga aagccttttt cgattctgct 120
cctcctttgc agaaaagtga tgagataact cagaagtga atcagttcat tcaacgcatt 180
tcttctccat cagcgaatgg gaaagttagg agaattgttt gtgtgacttc tgggtggcacc 240
accgcgccat tggaacaacg atgtgttcgc tatgtggaca atttcagttc aggtcacaga 300
ggggccacat cactgagta tttcctgaag gctggatatg gtgttatctt tctgtaccgg 360
aagagaagtt tccagccatt ttgtagatcc cttcctgatg atcccttact tgaatgcttc 420
aagcccaccg atgaggcgaa cattcaagtt tgcgaggctt attctgaagc agtgaagagg 480
gctatcgtgg atcatcatatc tgcagtggca ggcggtctct tattgaaact tcctttcaca 540
ccatatttga gtatct 556

<210> 10656
<211> 347
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220125e11d1

<400> 10656

cccataaaag aaaataaagg ttatttttaa ccgaagtcgg gcaaagggtt gggtaaaacc 60
ggcgtctccg gtacattttt tttttttttt aaaccccggt tccatacggg ctaattcatc 120
tcctttttat tcaggaccat gacttttttg cccaatgggt ggggggggct aaaacgggaa 180
cggaacggg ggaagccaa aggcattccc tagactcatt taccaaaatc ctcaagggaa 240
gggggatgtt cccccgaaag aagtttaatc ggggggttct caacatcctt atcaaacgga 300
cttttttccc cctgaacggg aaccttttgg gccctgggga caacccc 347

<210> 10657
 <211> 576
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220125e12a1

<400> 10657

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atatgggtgc aatcattacc ggagaagatg caggattcgt gtcacctgct gcaacgagat 120
ctactcatgc cgtcactgtc ataacgacgc tgcgagcttg ttgaagaatc cctttgatcg 180
ccacgagctc gttcgccaag atgttaaaca agttgtttgt tcagtttgtg aactgagca 240
acctgttgct caagtttgca caaactgtgg cgtcaaaatg ggagaatact tctgcaacat 300
ctgcaaattc ttcgatgatg atgttgagaa agaacaattt cactgtgatg attgtgggat 360
ctgcagggtt ggtggtcgag ataatttttt ccactgcaag aagtgtggat cttgttatgc 420
aattggtctg cgtgataatc atctgtgtgt ggagaactcc atgcggcatc actgtcccat 480
ttgtgacgag tacccttttg attcattgaa agacaccatt gntatgaaat gtggtcacac 540
aatgcaccat gaatgttacg tagagatgat aaaaat 576
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<210> 10658
 <211> 547
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125e12d1

<400> 10658

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agaatgatca aaactaacga tcacagtgtg ttccaatgtg cgagaaaaac tacaaggatc 60
aaataatccc gaccaaatta tagagaacca caatggctga caatgcaatc aatcacccag 120
tatcaaatac atcactatta ccagcaattc atgaccggga aaaatgtttt ccctctgtta 180
cagtataaag atgttcatac cagcccaata accaagagac aacaatccca ctccatattg 240
tgaggagaaga ataacctaag aaaactatct aggacacaat acaccaatca cttttgatgc 300
tcaattaatt caatagccct ctataataat aacagggtgc taactttaat tttctgctga 360
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cagttttccc ttcttgaacc caagaatctg gtcattgggg aagaactgga ggcgcaactg 420
 cacgagtatt atatgatctg cagtgaccac atttttggcc aagaatgtgg aagtaaaactt 480
 ctgttgcgtc attgcagtca ttacatagta tccaaacctt cctgtttcga taatcttcag 540
 gcatgac 547

<210> 10659
 <211> 336
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220125f01a1

<400> 10659

cgaaagacaa taagtacgtg tgatgtggtg agtggaactt ggacatctag cccctcctcc 60
 caccattata actctttcct tctttggccc atttgcttct agttctagcc ccttcctttg 120
 ttaactcttt tgtttattca gaagaatggc atcctgggta ttgggaagggt cgagtaggat 180
 cttgattcat caacatcacc accttcacaa aaagtacttg cctttcttgt taggaccatt 240
 tcttaacat aataatagct cttgttcctc ttttccatca actgaacat ttaggtgccg 300
 cgatgcattt ccgggtaaga actcatcacc caccct 336

<210> 10660
 <211> 495
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220125f01d1

<400> 10660

gattgtaaga tttagtacaa tttcttggtt gaattggcaa tatctacaaa ggaacatcag 60
 aagggtagtc tttgggatgc ttctcgatgg tttttctaata tagtctctct tgctcctgaa 120
 ggtttgatgg tatttggtca tagacatcat taaataagtc ctgaagtgga ggtttttgtg 180
 ctttctctgc cacctgaatc gcatgcatta actgcttcct gacactgctt ctaagctcca 240
 attcatcctt gtcactccac caaccattcc tttctaccca tcttttgaac ctattcactg 300
 gattccttgc catcttccaa tattcaatct catcagttcc ccggtactta gttgaatcat 360
 cagatgtaga gtgatgtcca actctataag tgagagcctc aattaaaact ggcctttttt 420

cttttatagc gatttctcta gcagtgtgaa ctgcactata tacagcanga gcatcatttc 480
catctactct gatgc 495

<210> 10661
<211> 312
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220125f02a1

<400> 10661

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aatgagaaat acttgaactc tcaacttcac tgcccactct tgcccagaac cccataaaac 120
atacataagg ggcactgagg caattgatgc tttgcctttt ctattttcta gtaactttga 180
ctcactacca ttgtgtttct gcttgaggag atcactgtct tcaaccacag taaccaagcc 240
aagagacaca ctttatcttc cttcatggga atatgagaat gaaactcact gtgccaccac 300
tcatatcaac tt 312

<210> 10662
<211> 474
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220125f02d1

<400> 10662

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aatagaccaa ttagtctaaa aactcacttt tgattcttgt ttctcttttc tgtctggggtt 120
gataaactgt gtataacaac taagtagaac tacaacata acatccaagc taaaaatctt 180
cactttgaac tttaatccag ctaagattaa caattataca ctaccctcct cacttctggc 240
cttcaaactc aagttatcca tcacggggga atttgaaaca gccttgtagt tatacaactc 300
tgcaattacg attataccac ttcactctgt catgctttct ctgggtaatg ctccagctgt 360
acaatgactt caaattatat ctgtaacaat aaaggactaa gagtctacac tactacatat 420
caagggtagg aatgaaatt acagtgcctg ggagtgttcc tactacacat taac 474

<210> 10663
<211> 435
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220125f03a1

<400> 10663

agcgaggag agatggagga aggtaaagaa tggagcctga ataagcagaa cgaaactacg 60
acgcgaccat cccttaaatac cgatgctcca ttcaacaaat atcaattatg gaaacacaag 120
ctgaggaaca attgctacaa aagggtgcga gaggcacagaa ctgccttact ctggaaattt 180
agatgcagcc aacaggagga ggatatcgtg aagtgtgcat tccaggatat tgtatctgat 240
gaattcaaca aaatgaaaca cacggatgag atgttatggg agtatgaagg tcctcccgat 300
actacttacc aggggtgaatg ccaagacatt ttgttagaaa tgcaaagaat cttttatcaa 360
gatctcaatt cccaatcacc tatacaagat ttagaatgtg atattgaaac ttgggaagat 420
gaagtggatt cagta 435

<210> 10664
<211> 548
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220125f03d1

<400> 10664

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atTTTTtact acaagcacat tacctTTTTc ccatgcatat taaaatgaag caaaacaaga 120
tagggaaaac tctttgacat acgctaggca tcagatatct atataacaaa taacaacgaa 180
actgttaaat tacaacctca aatgtatcac aaccttcacg tgaaatgtac agtgcagtta 240
aattaaactt tgtcctcatg caaaattggg gttacaatct gcaaccttta tcaaaatgct 300
ccgtgtggac tttagccagc cggaccagta aaaagtccaa agtaagcttg ctagctctgt 360
gtaatcgaag ttcacaacaa gtgcagcata tgatattgtg attgactata agctctcctt 420
gcttacaaat aggacaccaa atctctttcc catgggcctc atattcattt agctgcatat 480
gctcaciaac tgcacgagcc aagtactgat ccaactgtatc ttaccatgtt tcaatatcac 540
attctaaa 548

<210> 10665
 <211> 422
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125f04a1

<400> 10665

caacaaaccc ctgaggtgat tttcaccttt gaaacagagc ttaaagtcaa aacagaggaa 60
 ttggaaacca aggaggatat cttcccatgg ttttcctttc cttctccatc aattggatca 120
 gaaaacgagg acaacatggt acccgagact atgtttgaaa accatttcat ggaaagcttc 180
 tctccagtat tcttatcacc agcgacttca gaatcaaacc ctttctgttt gtcagcgtac 240
 cacttggaca gcactggact attatgccaa aacatacaaa cctcagaatc tgatatcact 300
 gagatagttt cagccccaac ttcagtcacc aagtcccaaa tcctggattt ggatatcttg 360
 cttgataaaa ggggattttg acacggattt ccctttcaac attcctgaat ttttctcttc 420
 at 422

<210> 10666
 <211> 474
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125f04d1

<400> 10666

cagaaattcc taccttgctt gaaccaaag aagactaatg aaccaattac aaaagtaaga 60
 aaacggtaga ctacagcaac aaattattta cgcattacat cctaggtgaa ggtacattac 120
 atacaggaaa actctccaaa cttgcatgac agggatgttt cattgtcttg atttatcaac 180
 atgacttatg attacccttc catagtcagg atctacgact caccagttaa tccggaacag 240
 actatggcta tgctgatctt agttcttact ctctctttaa ctatctacgt ggaactgcag 300
 ggaagtctct atgaagagaa aaattcagga atgttgaaag ggaaatccgt gtcaaatcc 360
 cctttatcaa gcaagatata caaatccagg attggggact tgggtgactga agttggcgct 420
 gaaactatct cagtgatata agattctgag gtttgcattg ttggcataat agtc 474

<210> 10667
 <211> 291
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125f05a1

<400> 10667

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 acgatcacca ttttgttctc tctactactt ttcatagctt caccctcctt ggcaaccgga 120
 cccgcatcca accctgatca agtcatgcac tccaaggaca acaaaaacaa caacaaccaa 180
 ggtgatggtg gtgggttctt tggccccgga ggaagggttca gcatacccggt ttttggaaac 240
 gggtttgaa atggcatcat aggaggagga tacggatccg ggtatggagg t 291

<210> 10668
 <211> 475
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125f05d1

<400> 10668

gatgctacta tatatagatg gcttgaactc gttaagctaa tattccacaa acttaaggct 60
 agttgattta agtgcttggtg tttttcatta aattatctta attattgaaa taaatgtact 120
 attaaacact ttccaaattt taaacatact gaaaggcttg tattttttat aaagacatec 180
 attaatagaa cgtttttgta tttattgttg ggtgaggaat gagatctgga gtttgoggt 240
 gaaggttcat atcacatcga cgacctaatac tttgtctctt accatccgca tccaataata 300
 cgagaatttc atgtcaaac tgcactcca gtgtaggcat atgatggctt atcaataagc 360
 gatgcacttc tttttgcaat caacggtgca tccaccgcca ccgacaccgg tgccgtagcc 420
 cttgccggaa cggcttaatg aggagacgca cttggcagga cacgtaacct tcttt 475

<210> 10669
 <211> 288
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125f06a1

<400> 10669

cttcttcaaa caaaaatctg aaatttgagc tcaaacacaa aaaaaacaaa aatgaaacct 60
 acgatcacca ttttgttctc tctactactt ttcatagett caccctcctt ggcaaccgga 120
 cccgcatcca accctgatca agtcatgcac tccaaggaca aaaaaacaa caacaaccaa 180
 ggtgatggtg gtgggttctt tggccccgga ggaagggttca gcatacccg ctttggaac 240
 gggtttggaa atggcatcat aggaggagga tacggatccg ggtatgga 288

<210> 10670
 <211> 395
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220125f06d1

<400> 10670

gatgctacta tatatagatg gcttgaactc gttaagctaa tattccacaa acttaaggct 60
 agttgattta agtgcttggtg tttttcatta aattatctta attattgaaa taaatgtact 120
 attaaacact ttccaaattt taaacatact gaaaggcttg tttttttat aaagacatcc 180
 attaatagaa cgtttttgta tttattgttg ggtgaggaat gagatctgga gtttgtggct 240
 gaaggttcat atcacatcta cgacctaatc tttgtctgtt accatccgca tccaataata 300
 cgagaatttc atgtcaaac tgcatttca gtgtaggcat attatggctt agctatatgc 360
 gatgcacttc tttttgcaat caacggtgca gtcac 395

<210> 10671
 <211> 426
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220125f07a1

<400> 10671

attttatcta ttctctctct ttcttttgtg ttctaagcag ctagaagcaa tggagaggaa 60
 aagaagccat gcctctttca ccatgtttgc aatgcttggt ggagtgatct ctcagagcct 120
 tgtcattcct gtagtatcca ccaactgttg agatcagaag aactactaca cccagatcc 180
 acatgctgga agtccccct caggctcaca cagtagtact cctccatctc atggccatgg 240

aagctctcca ccctcacatc atcacagtag tccaagtact ccatcaacac cctcaggtgg 300
 aaactgtngg atcatcacct ccacaacatc atgatccaac aacaccctca actccatcaa 360
 caccatcaaa ccctccgtca ggtggatact atggaggtag ccccccaaca cctgtcactg 420
 tgagcc 426

<210> 10672
 <211> 480
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125f07d1

<400> 10672

caaacaaaa ccataaattt tgcattaaat ttcgaagaaa ttaacatgat atccatctca 60
 atgcatatta atgaacatat catgtgagag ccttaaatga cacaaactaa cagaaatctt 120
 aaatataaaa tggctttaac tcaataaatt ggcacaccat actaattaac taattaagag 180
 tactactact taatctgtat ttcacatgg tctaggcttc attcttcctt cgttggccat 240
 cttgaagagc tgggcttgctg cttctgctgc cttgttgagg ttgagtgagg ccacaaacct 300
 gtccctgact tgggttgctg cgtaagggaa cttgttgctc accatggagt tgaggaagga 360
 agctgtgcct tctctgtaga gtgctcctag cccatcagtt cttgtgttggt tacgtgctcg 420
 tggcaagcta aggccaggac tgaaccctgg aacagtagta cctgtcacac caaatgcact 480

<210> 10673
 <211> 362
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125f08a1

<400> 10673

gaggatgcat acaagtcacc attgagtgtc atcattcttg atgacattga gagattattg 60
 gagtatgtgc ccattgggtcc tcgattttca aacttgattt ctcagacact gctggttctg 120
 ctcaaacggg cttcctccaa aggggaaaaa actcatggat attggcacag cacgtgaact 180
 agatttcttg gaatcaattg gattttgcga taccttctct gttacttacc atattcctac 240
 cttgaacaca acggatgcaa agaaggtcct agaacagttg aatgtgtata ctgatgaaga 300

069373

<400>	10676
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<400> 10677

<210> 10678
 <211> 537
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220125f10d1

<400> 10678

ctcccttttt tttttttttt gaagaaaaac agatagatac cacattacat ttcacaagga 60
 aaggaactgg tgtgcattgc gcatcattgc aaatgaggca catattaaca agaggaaaca 120
 aaagccatcc atcaaaccct accatcaaaa aaactcttct cgaccctacc ctgcttacag 180
 ccaaggcttt agttttcccc aaacagaagc attctgagtt ctgatctgcg tgaccatttc 240
 aggtcaaata ttactatgac attgtagacg tttacaataa acaaggctat atatgcctgg 300
 ggaaataaag atccaccagt tagcacaagg gaatcaaaag gtacatatac tgacggatca 360
 actgcggccca tccggcatcg cgaatctcag tctcggttca gcttgaaact acattcgcca 420
 ggtcacagaa catggtatta agacaaaaaa taatggtgcc actttttttt aacttatcag 480
 ctagtataca ctatgtcccc taagcttata gtcacgatcc tnccagatgc ataaact 537

<210> 10679
 <211> 598
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125f11a1

<400> 10679

ctcacacca aacctcatgg aaggctctgt caacgaacgt cttgattttg ggaagatggg 60
 atatgggtgc aatcattacc ggagaagatg caggattcgt gctccctgct gcaacgagat 120
 ctactcatgc cgtcactgtc ataacgacgc tgcgagcttg ttgaagaatc cctttgatcg 180
 ccacgagctc gttcgccaag atgttaaaca agttgtttgt tcagtttgtg aactgagca 240
 acctgttgct caagtttgca caaactgtgg cgtcaaaatg ggagaatact tctgcaacat 300
 ctgcaaattc ttgatgatg atgttgagaa agaacaattt cactgtgatg attgtgggat 360
 ctgcaggggtt ggtggtcgag ataattatct cactgcaag aagtgtggat cttgttatgc 420
 aattggtctg cgtgataatc atttgtgtgt ggagaactcc atgcggcatc actgtcccat 480

ttgttacgag tacctttttg attcattgaa agacaccatt gatatgaaat gtggtcacac 540
aatgcaccat gaatgctacg tagagatgat aaaaatgcc aatattgtgtg catatgct 598

<210> 10680
<211> 617
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220125f11d1

<400> 10680

ataatgatca aaactaacga tcacagttaa ttgcaatgtg cgagaaaaac tacaaggatc 60
aaataatccc gaccaaatta tagagaacca caatggctga caatgcaatc aatcaccag 120
tatcaaatac atcactatta ccagcaattc atgaccggga aaaatgtttt cctctgttta 180
cagtataaag atgttcatac cagcccaata accaagagac aacaatccca ctccatattg 240
tggaggaaga ataacctaag aaaactatct aggacacaat acaccaatca cttttgatgc 300
tcaattaatt caatagccct ctataataat aacagggtgc taactttaat tttctgctga 360
cagttttccc ttcttgaacc caagaatctg gtcattgggg aagaactgga ggcgcaactg 420
cacgagtatt atatgatctg cagtgaccac atttttggcc aagaatgtgg aagtaaactt 480
ctgttggtgc attgcagtca ttacatagta tccaaacctt cctgtttcga taatcttcag 540
gcatgacagt tgcttcaatc tcttcatcaa ttctcttcac gtcttagaca tgtcaatcac 600
tgacttgagg catatgg 617

<210> 10681
<211> 531
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220125f12a1

<400> 10681

acttgacaaa tccaagaat caaaagccca aaacatctat gcattcaaac tcagcatttc 60
aagtagagtc tgagaagggtt agtccattag cgggtggttcg atcaatggtc actgtttgtc 120
tattagggcg agtacccttc tcaccgattg attcttcac cgtgtcaagg aaattggaaa 180

[illegible]

<400> 10682

<400>	10683
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4898

cggatcttac aactatgacg aattgatggg gtccttagaa ggaaatgaag gttttggtcg 240
 agcagattat ttccttgagg gccaggactt tcccagctac atataatgcc cagagaaagc 300
 tgatgaagca taccggaacc aaactcaatg gacgagaatg tcgatattga acacagcaag 360
 ctca 364

<210> 10684
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220125g01d1

<400> 10684

cattacaaca tgtatttaga ttcacatttg cgacgaagac cctacattga tacactttaa 60
 catattacct gatgagattt taaaataact ccagaatgaa tttttaatta agagcatggt 120
 acaaaaatat actcatacct atagtcagcc aaaagccgga atgcacaaca tagcctagct 180
 ccaattatat aacaggggac gtaatcaccg cgaaaacatt ggcattttta tcagacgtca 240
 ccccccaaaa ggccttggtta agagaaa 267

<210> 10685
 <211> 337
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220125g02a1

<400> 10685

ggcatcttgt gttgtgtccc tcttttaagc tatttccttc tottaacaca attggttgtg 60
 ccaattgcc tagtcaccaa ccaattaaca aaggatatata tatcatcata tcacaccaa 120
 atgaaaaata ttgggttgtt ttttcttggt gtggtggcta cttttgtggt ggcagccaca 180
 gctggtagct ttaccaaga ctttgaaata acgtggggtg gtgagcgtgc caaatctat 240
 gagaatggaa accttctcac actctccctt gacagagcct ctggctctgg ctttcgttcc 300
 aaaaaagagt acttggtcgg aaaaattgac atgcagc 337

<210> 10686
 <211> 374
 <212> DNA

002220125g02a1

<213> Glycine max

<223> Clone ID: jC-gmf102220125g02d1

<400> 10686

ggaataagaa ctccaacaat tttattaatg aaaatgcttt acaatttcgg tacatttacc 60
 ctggcatgaa ttttaactttg cagcgtttta ataatcttag gcacaaacaa tggattaggg 120
 gtcaacaaag ctacaatccc gcattggtta ccgtttgagt tgcgattaat tgacccaaga 180
 aaggaaatta acggccatgg gaacacctgt gtgtcccgtat tatggggatc attttataat 240
 gatactgcag catctgaatt aaattgttta ttgcctggga gcttttttga ggaaagcctt 300
 gagggaaacg tgtgatatta gcggccttat tgtaaatcct gtaatgctta tgcccccaac 360
 ggatgcttgc ctgc 374

<210> 10687

<211> 307

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220125g03a1

<400> 10687

ctcagtcttc atctccaaca agcgttactg tgaccatggc atccaccact ctatccgcta 60
 caacccttc tcagctatgc tcaggaaaga gtgggattgt cagtccctca caggcacttc 120
 ttgtgaagcc agtgaagagg cacatgatgg ggaagagcac gggaatgaga attgcatgcc 180
 aagccaccag cattcctgct gatagagtcc ctgacatggg caaaagacag ctcatgaatc 240
 tgcttcttct tggtgccatc tcaactcccct gtgctggaat gcttattccc tacacctact 300
 tttttgt 307

<210> 10688

<211> 432

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220125g03d1

<400> 10688

acacggtaaa aagtgacccg ttcaggttcc tttccatgtt agcttcagtt cacaaaatat 60

caatgtgatt aaaaaatata tttatgcatt aatacaaaac agaatgtctg gatttcatgt 120
 ctaaataatatac atgacatcag agggacggct ttaaggagtc taagcccacc atggagcatc 180
 acctgttctg aaatctgttt caaccaagg aacaaacacc accgtcccat catctatatc 240
 acaatgtgct aatgccagag acaagggagc aggtcctctc acaactcttg cttggtcatt 300
 gaactgagat ccatggcaag ggcagatgaa ctggttctct gcttgattcc atgggacgac 360
 gcatccaatg tgagtgcaca cggtattaat tgcgtatgtt cgcagggttc tggctttctt 420
 cacaacatga ta 432

<210> 10689
 <211> 406
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220125g04a1
 <400> 10689

ctccttctcc cgccgcaact cacactgtct tccttctcta gggcttttag ctactccaaa 60
 tgcttcgccc aacatgggtc ttcaaaatga tattgatttg ctaaattccc cggtgagct 120
 tgagaagagg aaacacaagc tcaagcgtct tgttcagtca ccaaactctt tcttcatgga 180
 tgттаagtgc cagggttgct tcaacataac cactgtcttt agccactctc agactgatgc 240
 tgcattgcga aattgccaga cgtcttcttg ccagccgaca ggcggccggg caaggctaac 300
 cgagggatgc tccttttagga agaagggaga ctgagtggcg tgccatcttt atttgtctgt 360
 gattggagag tttcagtaat gccttctttt ggtctggtta tggtat 406

<210> 10690
 <211> 337
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220125g04d1
 <400> 10690

atcaaaaaaa acttcttctg caaaaactaa aaatgccttt tcccatacca ggccctctga 60
 ttttaaagta tacatttacc tgggccccct ggaccggatg gaaggaatga aaaaccccca 120
 aggaggggga aatgatccct aatgtcttgg aaaacatgga acactcacga ctttccaatt 180

gtagaaattt cgggtgcctt atgccaaaca caagagggct tttcctaaaa cttcccttcc 240
 ctggccaaag aactgggctc cccgctaagg gcccttatac tctaaagggg cctcgcctcg 300
 gtagcctttc cgggcccgct gattgctggc ccaataa 337

<210> 10691
 <211> 352
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220125g05a1
 <400> 10691

gttgggggcc ataagtgggg tggggcttgt gaaggctttg cagaagagct actacaacag 60
 gtacaaaggt tcgtgaacat gctcgcctgat ggttacagca aaggaaccgg tttgggcgct 120
 gagattattg gcacctttat tcttgtctac accgtcttct ctgctaccga tcccaagaga 180
 gtagcaagag actcccatgt tcccgtgttg gcaccacttc caattggggt tgcgggtgttc 240
 atggttcact tggccaccat ccctatcacc ggcactggca ttaaccacgc tagaagcctt 300
 gggcctgctg tcatattcaa caacgagaaa gcttgggatg acccagtgga tc 352

<210> 10692
 <211> 544
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220125g05d1
 <400> 10692

aataaaacga catggtattg gcaagaaaac gcgaaaacca cgaccacagg atactaacgc 60
 acatgtacgt aacacttaaa aatacataca caaattaaca tgggcatgtc tgttgagatg 120
 gacgtcacca caaatatagt aaacataaat taaataaaca tagtgacgag gatatacaga 180
 ttattccaat ccaccatgta taagcaaatt aattaagaac acaattaaat gaagcatgtc 240
 tctcgtagct caaatagctt ggccagaatt acaggtttga ggagctcctg aaagacccta 300
 gagcctttgc tgcttgggcc ctcaacacgg actggtggta gaatgcagca agagcagcac 360
 cgatgaaggg tccaaccag aagatccact ggcatccca agccttctcg ttgctgaata 420
 tgacagcagg cccaaggctt ctagctgggt tgatgccagt gccggtgata gggatggtgg 480

ccaagtgaac catgaacacc gcatacccaa atggaagtgg gtgcaacacg ggaacatggg 540
agtc 544

<210> 10693
<211> 361
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220125g06a1
<400> 10693

gggatgagag agccatggaa gaagctgctg ccatcccat ccttggctgg caaggccgtg 60
aagctgggcc catcagcccc agaagtggga agcgtgagca tgaggaagac cgtcaccaag 120
caggtctcct caggaagccc atggtacggc ccagaccgag tcaagtactt gggccattc 180
tctggcgagc ccccgtccta cctaaccggg gacttccag gcgactacgg ctgggacact 240
gctgggcttt tcgcagacc agaaaccttc gtcaagaacc gtgaactcga agtgatccac 300
tccaggtggg ccatgctccg agccttgagc tgcgtcttcc cggagttgct gttccgcacg 360
g 361

<210> 10694
<211> 500
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220125g06d1
<400> 10694

gtaaaaagca agtaacatta agttggattc ggatacacia gataattcac attatctgaa 60
gtacttcacc aaacacaaat ctaaaaactc tcaaaagtca tttcgttctt tgacgctcac 120
tttccgggga cgaagttggg ggcataggcc caggcgttgc tgttgacagg gtcagcacgg 180
tgatcggcga ggttctccaa tggacccttt ccggtgacaa tggcctgaac aaagaagcca 240
aacatagaga acatggccaa tcgtccgttc ttgagttcct tcaccttaag ctacgcaaaa 300
gcctctgggt catcagcaag gcccaatggg tcgaagctgc cacctgggta gattgggtca 360
gtgacctcac cgagggggcc accagcaata cggtaacctt taacggcacc cattaggata 420
acttgtgtgg cccatatggc gaagatgctc tgggcgtgga tcacgcttgg gttgcccagt 480

agtcgagccc accctcgctg

500

<210> 10695

<211> 508

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220125g07a1

<400> 10695

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cacgcagggtt cccagcacct ccgagattgc gggaatgagc aagtccgaga gcgcaaataa 120
gctctctgag acagatctta gtgctctatt gtctcaattg aaaggactgc aaaagaagaa 180
cacggagttg gaggaagaaa acacaaagat tagtttaaag cttcaaacga tggaaattga 240
taatgagaca atgcacaagc aattaaatga tgtggaacaa aatacagtgc catctctaag 300
gaaagctctg agggatgtcg caatggagaa agatgctgca gnctgttgca cgggaggacc 360
tttcagcaca gctttcgtac cctgaagaaa cgtctcaagg gaagcagaag atgagcaata 420
tcgtgccgag gaagatgcag cagcattgag agcagaattg aactcaattc agcaacagca 480
atgactaata cagttagcac aatttcat 508

<210> 10696

<211> 348

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220125g07d1

<400> 10696

gttattatca aaatcatact ccataaaagg ggtgggcttg tttaaaaatt aatttttagta 60
taaagaatga ccagttttac aaattcacgt ttgggtttta caaggggttc ttatgccgag 120
gttttcccc aacaaaaaca gcttaagaat gaagaacctt ttccaccatt ttctgggcca 180
ttttgttcca atttttccaa actaattacc tcaaaggggt aaaaacaatt ctgggggcct 240
tggaagagcc ttcaaagaag ggcttcacaa tttcaaccgg aatttcatca tgaaactggg 300
catttccatt attggacagc ccacgaggtg gcttgcttca tttttatg 348

002220"ETTES60

<210> 10697
 <211> 472
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125g08a1

<400> 10697

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 cacgcaagtt cccagcacct gcgagattgc gggaatgagc aagtccgaga gcgcaaataa 120
 gctctctgag acagatctta gagctctatt gtctcaattg aaaggactgc aaaagaagaa 180
 cacggagttg gaggaagaaa acacaaagat tagtttaaag cttcaaacga tggaaattga 240
 taatgagaca atgcacaagc acttaaataa tgtggaacac aatacagtgc catctctaag 300
 gaaagctctg agggatgtcg caatggagaa agatgctgca gctgttgac gggaggacct 360
 ttcagcacag cttcgtaccc tgaagaaacg tctcaaggga agcacaagat gagcagtatc 420
 gtgccgaaga agatgcagca gcattgagag ccgaattgga ctcaattcag ca 472

<210> 10698
 <211> 489
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125g08d1

<400> 10698

tttgtgctta ttcattgaaga ggatcatgat ctggacgaag gtgcatggaa tattgcaatg 60
 gcagggtgga catgccttgg tttagatgcc cgtactgttg gagatgatat tgtgccgctg 120
 gtaatgccct tcattgagga gaatatcaca taaccagatt ggaggcaaag ggaggcagcc 180
 tcttatgctt ttggatctat cttggagggg cttcacctg acaaattagc tcctcttggt 240
 aaccatgcct taccatttat gcttagtgct ttagtgaagg acccaaacia ccatgtgaaa 300
 gacaccactg cttggactgt gggacgaatg ttcgaatttc ttcacagctc aattggtggt 360
 acaccaatca ttaatgaggg aaattgccaa cagattatta cagttctact tcaaagcatg 420
 aaggatgttc ccaatgttgc tgagaaggcc tgtggtgctc tgtattttct ttgccagggt 480
 tatgaagat 489

[illegible]

<400>	10699
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<210>	10700
<211>	435
<212>	DNA
<213>	Glycine max

<400>	10700
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4906

tggcatttcc acccc

435

<210> 10701
<211> 103
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220125g10a1

<400> 10701

gctgctcaga ggaagcttat cagagaaact tatgccaagg ccttgaggac atcttggcca 60

taggtcttgg ctttagttcc tgtgattagt tttctctgag tgg 103

<210> 10702
<211> 468
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220125g10d1

<400> 10702

aagaagcgaa ccaaacttag ttgtctctgt atatatattt aacttcagaa aagtgaccct 60

aaagtcacta gtgatttaca aaatctgaac cacatatata ttgcaggatt ccatttatgt 120

ttgacactca atcaattcta ggggcttcaa aaaccaccca aagtgtgcca aagtggttca 180

ttttattcaa caaaggaaga caataatggc cagaaaacac aacaacatgg aaccacatag 240

cagtacactg cacactatat agtaactctg ccacaagtac acacacacaa acacaaagga 300

gtatgtcaag catcatcatg tcctaaaagc gccacaagca ttttctcata gtcaccggtg 360

gtgtccttaa caatagcacg ttcaagaggg acactgctcc tcctttgata ctcatctgct 420

atgggtttca aatcaacctc agtccttggt gccaccactc ttgtaagg 468

<210> 10703
<211> 486
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220125g11a1

<400> 10703

atcagtctct gaaaagagca aagccggaca ggatccccat tttgtgaatc aagaggggtga 60

tatagagaga ttcagtgtc catctaagag gcacacctc tccccaaatg aggtatctgt 120
 tacctcatgt ggcagggctt caacaagagc atatcttttg catgatcaac gcccatcttc 180
 tgggtctggc aaacacgtaa accatatatc cgttacgaag aggacatgaa ttacatggag 240
 attcaaagcc accagcccaa gataacagac attataatta acctacatac cgggaaaggc 300
 atggcccaaa cttgcattat gagtatcacc ctgttggtc atatgatgat ggcaaatcac 360
 acatctttgc acgacctaaa actggtaatc atggcggcgg cagatttagg gacagaggtc 420
 caactcactc acgcttaagc gcggggaact cttatggact ccgngtggat ttgaagcttt 480
 tgatta 486

<210> 10704
 <211> 402
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220125g11d1
 <400> 10704

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 ggaacttgat aactagcaa gagaacaatc gaccgaaagg aactttccta ccaacaactc 180
 acaaaatcgg ggactccata tttgtcatcc cctgccctac tgaactcatt gtgatccac 240
 tgacagtgc aggagcaccg atgagggag gatgggtattc caacggaaga cacactgaac 300
 cgtcgcaagg aagtctattg gtacggagag actcggctgt tactcaagga gtataaaacc 360
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<210> 10705
 <211> 313
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220125g12a1
 <400> 10705

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cgattcaaca gcgtgcaagg gaccttgcta agctcgaaca ggcagtaacc gatcgacact 180
 ctaaagcaga cgatatgcac gctgaagatg cacatatcta tctgatcac catgcttaag 240
 gcactccata ggatgggtcc cgtggacaac tgtcaacgac cagcgatat gtacgctgcc 300
 atagctatag tct 313

<210> 10706
 <211> 458
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125g12d1

<400> 10706
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 cttttctttt ctgaaaatgc taagaaagaa tcttggtga cactatggag aattaatggc 180
 ttcaagctgc cttctaagat cttccagggc gtcattgtca actacggcag cgtaaatagt 240
 tgccttatga aactcgtcag catgcgtaag tgcattgtgt tgaccttcg gcagaacatc 300
 ttatcttatg ggatccggac caaccaggtg aacatgatcg acagcactga tattccattc 360
 attatcttcg agaagcggca cttcctcagt tgatggcgct tcagctctca ttgtcgcttt 420
 ggctgcagaa tcccttgctg gttttgaaac aggaactg 458

<210> 10707
 <211> 313
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125h01a1

<400> 10707
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 acttccttag tatgtcgtat ttctattgct ggacagtga ctccatatgg cactaccatg 180
 gaggctgcca ctatgatgag catttttact tcagggtcga ggatggagag gacgacagta 240
 gcgatgccag ggtcaaaaca attttgatta gcacaatccc ttttttttat cgagtgcctt 300

cttgacttgt cag

313

<210> 10708
 <211> 512
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125h01d1

<400> 10708

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 tataataaca aagtttgaag aaagccaacc ttcaagtcag acaagaataa gaattttcat 180
 cctttgaaac tggctcgcac caccaagttc atatcttcca gtgtggctct atccttccat 240
 ccaccagcct cattcaacgc caaaattctc catactccat ccaccagcct cattcagcgc 300
 caaaattctc catactcccg cagttcctcg tgtatttaca agagtacaaa agaaattggc 360
 ttaatctttt gttttcataa aagagctagc ttccactatt gcacaaaaat ccatgttttt 420
 tttcaaaaaa ttaaggaaaa tggaactatt ggatctcgat tttttaaatt gtccaagtga 480
 aaatatttgt catgcatatt acttgtgaaa tc 512

<210> 10709
 <211> 365
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125h02a1

<400> 10709

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 gcagtttgct ggtattgatg atgttttcac ctctccagg ggatccacca agacccttgg 180
 caacttcggt aaggctactt ttgattgctt gatgaaaacc tatggattcc tgacaccaga 240
 attctggaag gagactcgct tcttcaaata tccattccaa gactacacag atctattggc 300
 aaaaccaaca gggaagactc taatcttga ggaggaaagg gtggatgctt gatttgctag 360
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<210> 10710
 <211> 503
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125h02d1

<400> 10710

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 tctaaaacat ccataaaacc aaaactagca aatcaagcat ccaccctttc ctctccaag 180
 attagagtct tccctgttgg ctttgccaat agatctgctg actcttgga tggagatttg 240
 gagaagcgag tctccttcca gaattctggt gtcaggaatc cataggtttt catcaagcaa 300
 tcaaaagtag ccttaacgaa gttgccaagg gtcttgagg atccccctgga ggaggtgaaa 360
 acatcatcaa taccagcaaa ctgcagcacc ttcttgaggaa ccctagccgt cacaatcccg 420
 gaacccttag gcgcgggaac catgctaacg gtaacggacc cacactatcc ggtaccttgc 480
 acggaacggt gtggggcttt cca 503

<210> 10711
 <211> 316
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125h03a1

<400> 10711

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 ctagggaaca gacacgacga ggccggaggat gacgaatagt acgggaacga cgattgcatg 180
 cccggaagcg ccccggcagc atgatcagag ccacgagagg gcaagacact gttaatgaga 240
 ctggatggtg aagttgccat ctcaattcac tgtggcgga taggtataca ttacacgtaa 300
 tcagtgggac gctcaa 316

<210> 10712
 <211> 410

<212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125h03d1

<400> 10712

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 ctaggtatcc atgacactcc cagggactgt tttaaggagt ctaaaccctc catggcgctt 180
 ggaacgacct gaaaatcgtt tgaccacaca gaacgaagac ggccttatca ttatttatac 240
 cacagagtgc taatgccaac cacatcgggg cagggcctct cagcaccctg ccttggtcat 300
 tgaaccgaga tccacaggat gggcaccttg actcgaagaa cgctcggttt tatggcccca 360
 tgcacccctg ctgagtgcac gcagtccttg tcgggtaggt cgcaagggat 410

<210> 10713
 <211> 394
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125h04a1

<400> 10713

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 caatattgcc agacaataat ggggtctctct atggtgatct caagcgaatt tgtgaaactg 120
 accttggtct aatttcacaa tgctgtctga caaagcatgt cttcaaaatc actaaacagt 180
 acctggctaa tgtgtctctg aagatcaatg tgaagatggg aggtagaaac actgtacttc 240
 ttgatgctgt aagctgcaga ataccattgg ttagtgacat accaaccata atttttggag 300
 cagatgtaac ccaccagaa aatggagaag actcgagccc ttcaatagca gctgtagtag 360
 catccaaga ctggcccgaa gtgacaaaat atgc 394

<210> 10714
 <211> 583
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125h04d1

<400> 10714

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 ctaaatttga catctatata gaatctaata gtactttag gaattcattc taagctatgc 120
 ctcaagaact gtaatcatgg atttatcaca ggaaacctac acgactaatg tacaaagtaa 180
 tgtgagctga acattgcatt ccatgattgt tttcacttac ctaccatggt gatgcttgcc 240
 ctatatatct atcattccac caaggccaag tcaactagcag tctaacagta aaacatgacc 300
 ctcttcacat tttctttcaa gtctggcaat ggcttgacac tataatcacc agctgctcgt 360
 attgctttgg caccataacc attgccatca cctgcagagc cattgtcttg catatctggc 420
 tccatataga aacgtgctcg aaacgtgct aaatgtgcat aatatgctgg aggaacaact 480
 gatactgagc gcgtacacct ggcatatgta taacaaagat tgtttgtcag agactgaatt 540
 ccatctgctg tgaaagttgt ttcattccaca ggacatgata atg 583

<210> 10715
 <211> 423
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220125h05a1
 <400> 10715

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 caccttttgc gtttcttgcg attcgacgat ggccgatcaa aagctttcag aaccggcgct 120
 taaacgtgag cagcttgatg aattcgtgtc tatattttga acaacgaatt cttgaactcc 180
 gacttcttca agacctcgag aacaatgatg aatgtaggaa aaatgggagc ctgaaaaggt 240
 taaatgacca gagtgatgtc tggggattaa gaagctgctt caaaaatcat tatgattcgc 300
 ttccgaatca gaggtgcttg gagaatcgag aagaagtgat tcacgagacg atggaaagtg 360
 gagttggaaa atatgatgga actgggcacc cttaatggcc agaaaacata ttctttaaga 420
 atg 423

<210> 10716
 <211> 494
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220125h05d1

<400> 10716

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 aagtaaaatc gaacagcatt acctcagagc actgcctga aagtagaaca cctattaatt 180
 actgacaaac taaaacagaa acactagcaa tcgggaaagt gcatgtaga cagcaagagt 240
 gaaacgcatt ggtttaattt tgggagcttc acttccttg tcatcaccct gtatttggca 300
 gctgcttttc cttgagcaga gatgccacac catcagaagg attccgaata ttggaaggca 360
 tagtgtagtg agtgattgag aagatctgac aagcagcaa ataccccaaa ataaaagaat 420
 ggactcacc aaacagagaa atggtgcacc aataacaatc attgctgcaa cagcccaaac 480
 aaacaccatg aaac 494

<210> 10717

<211> 370

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220125h06a1

<400> 10717

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 tactgaagat ccagaaaatg gtaatgatag gaatgatggc tctgatcctg ctgagggaa 180
 gcctggattt cagaatgtct tgaaagatat gatccctggg gtaaaggatga aggtattcaa 240
 ggtgataact ccagagaaag tagacaagga tctatctaata gtgattgaga agataattga 300
 ggaccaagac cgagacgaag acgaagatga agagatggaa aatgatgcat aaagtctaga 360
 actggaagag 370

<210> 10718

<211> 435

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220125h06d1

<400> 10718

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 atttttctta taaattagga acaatgtaca aagttgatga agataccctg aacactacac 120
 ctccataaaa tgtcgaatga agagactagt acattgtgct ttagtgctga tattatgaat 180
 ccctcttcaa tctatagtta gtcaagctac agctaccaag cctaagatac ctcggtcatt 240
 tgagttctag acaagcagcc aaatgctcaa cctatgctac tcggcagaaa gctagtagtg 300
 aagatctttt aaagctcaaa tggaaaccct gtattgattg gtgatatctt ccattgaagc 360
 acaatttagc attcaacaaa acctagaacg ctgagaatct gaagaaagaa ttacaagtct 420
 ctgatattat gaaca 435

<210> 10719
 <211> 454
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220125h07a1
 <400> 10719

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 gctcataac acagggtctaa gctatgtttt gtgtaaacaa cttgcgatta tacatgtatt 120
 tggatattct agctatacat attatctgct ggaaagtgga tagtagttga aagatgggcc 180
 gggaaaggaa tgcctcaatt caatatgtaa atcttggtga tgcttccttg ggtgaaattc 240
 atttgctcga acccaaaaat atgcttaata tcttttaatt gtaattgata aaatgcttcc 300
 tctttttttt ttgttccttt tgggtaggag cctaggaggt aacttgtagag ctgaaagctg 360
 ttagacatgg gaaaaatatg tttcttcaac tcaactgctct tagttcacia ggaaantcat 420
 atgttggtga tacatctgct gggctctaaa acat 454

<210> 10720
 <211> 497
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220125h07d1
 <400> 10720

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 agcataaaga tgattgattt acagagttgg agccctctca ggggagccag caatcacagt 120
 gagcaagttg ttacaaaaag ggtcactgag atgttttgct aagttctcaa ctggaccttc 180
 tccagtgaca tatgcttgga agtagaaacc aagcattgca aacatagcta gtctaccatt 240
 cttaatattcc ttcaccttta gaagtgcagc ttggtctgga tcctttgcta gtcccaatgg 300
 gtcgaatgga ccaccggat gaagcttgtc ttccaagtcc aggccattaa taattctgta 360
 gtactcagca ccaccacaa gaactatctc agcatcaaca gcaagaataa gattgatggg 420
 gataggtttc ccgaagtagt tcaatgtacc cccattaaga gcaaagctcc agtctgcatt 480
 gattccatga agagctc 497

<210> 10721
 <211> 544
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220125h08a1

<400> 10721
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 tggatattct agctatacat attatctgct ggaaagtgga tagtagttga aagatgggcc 180
 gggaaaggaa tgcctcaatt caatatgtaa atcttggtga tgcttccttg ggtgaaattc 240
 atttgctcga acccaaaaat atgcttaata tcttttaatt gtaattgata aaatgcttcc 300
 tctttttttc ttgttccttt tgggtaggag cctaggaggt aattgctgag tgaaagctgt 360
 tagacatggg aaaaatatgt ttcttcaact cactgctctt agttcacaag gaaatcatat 420
 tgttgtgtat aaatttgcac ggggtctaaa aacattttcc aaacttcacc ttgccttaac 480
 aaactgtaaa atttgaaaaa gtntctgatg cttagctaca gcctgctagg agcatttctg 540
 tgat 544

<210> 10722
 <211> 532
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220125h08d1

<400> 10722

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ttaagagtgg agaagagcat aaagatgatt gatttacaga gttggagccc tctcagcgga  120
gccagcaatc acagtgagca agttgttacc aaaagggcca ctgagatggt ttgctaagtt  180
ctcaactgga ctttctccag tgacatatgc ttggaagtag aaaccaagca ttgcaaakat  240
agctagtcta ccattcttaa tttccttcac ctttagaagt gcagcttggc ctggatcctt  300
tgctagtccc aatgggtcga atggaccacc cggatgaagc tcgtcttcca agtccaggcc  360
attaataatt ctgtagtact cagcaccacc cacaagaact atctcagcaa caactgctag  420
aataagattg atggggatag gtttcccgaa gtagttcaat gtacccccat caagaagcaa  480
agctccagtc tgcattgatt ccatgaagag ctcaatggta acaatacaat tc          532

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<210> 10723

<211> 596

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220125h09a1

<400> 10723

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gtgtagccac acccacttcc ccagagtccc caaatccggc acccttgcca gacccaaggc  120
aaaccaaggt tctccttccg aagaagaagc ctcagaaatg gtccaccggg gtggctcccg  180
gggagtacgg tggccctccc accaccacca aactccgcaa atactggggc ggcgatgacg  240
aagacccttt ggcctctgat gactatatgt ggaacatgga gtttatgggt cgcttccaaa  300
agttgattga ggaaccaat gctcaacccc ctctgcaaa ggaagagcct tcagggtttc  360
taagcttaaa tagagtcatg agcctggaca gttgngaagt tgatttgagc aaagaactcg  420
cagtcctgt aaatcataat gcacacctgc aaattgatgc agaactaatg tgacaggaag  480
catagggtaa gatataaatc agcaccacac gtcgtgagca agaaaatggg atagagctac  540
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<210> 10724
 <211> 499
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125h09d1

<400> 10724

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 ggcacccctt cactgcaccc ctaatattct tcaggtcttt cttgcagcta cagggattgc 180
 ctccctttata gctggagcaa aaggtgcaat cctgtatgtg aaaaaaccta ctatcatggg 240
 tatcaagcct aagcgcatat acccaaagcc tggaaccagg atcgcatgcc accggttata 300
 gaccatgacc aaaacaccag gaaccagtta tcttggtgc ccaactgctc ccttgacaaa 360
 tccctttgca ccatcaatgc ttagcgagta cagctactt cccagcatac gaatatactc 420
 caaagaacca agaaagccag caccaaagct cgctgcaatc tcaggggaac tagacacatg 480
 tgctgaaacc agaccaaca 499

<210> 10725
 <211> 520
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125h10a1

<400> 10725

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 gtgtaaccac acgcacttcc ccagagtccc caaatcggc acccttgcca gaccaaatgc 120
 aaactcaaga tctccttccg aagaagaagc ctcataaatg gtccaccaga gtggctcccg 180
 gagagtacgg cggccctgcc accaccacca aactccgcac atactggtgc ggcgacgacg 240
 aagaccctta gggctctgat gactatatgt gcaacatgga gtgtatgggt cgcttgcaaa 300
 agtagattga agaaccfaat gctcaacca ctactgcaa ggaagatcct tcaagggctc 360
 taagcttaaa tagactcatg agcctggaca gatcggaagc tgaattgagc ccagaacttg 420
 cagcttcctg taatcatact gcacacctgc caactgatgc aatactaatg tgacaagaag 480

catagggttaa gatctaaatc agcaccaaca cgtcgtgagc

520

<210> 10726
<211> 381
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220125h10d1

<400> 10726

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tatatgttca atatgtggga gagaaaaacc caaatataat gacatggcat cctgccactc 120
cacccta atcttcaag cctttcttgt cgctacagca attgcctcct ctatagcttg 180
agcaaaagt gcaatcttgt atgtgaaaaa acctactagc attggtatca attctaagcg 240
cattgatcca aattgtggaa ccataatcgt atcccagcgg atatagacca tgacccaaac 300
atgtggatcc aggaatcttg gctgccaat agctcccttg acaaatgcct ttgcaccatc 360
aggccttagc cagttcacgc t 381

<210> 10727
<211> 534
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220125h11a1

<400> 10727

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tctcccaa acattcaatca aacatggctt taccagccaa tgaaacctcc atggcagaaa 180
ggtctcagt ggtgctcaat gctcctgctc ccccatccac gtggcacaac ctcatggctt 240
ctgtgaggaa cacaatttca tcgtaccaa aaatgtgtac ttatataaga ggccaacctg 300
gacccaaagt tgtgctttcc ttcttgcgga gcatttttcc tattcttcat tggggctgta 360
attattcacc aaccaaattc agaaacgact tacttgcaag tcttaccatt gcaagtctct 420
gcattcctca gagcattggg tatgccactt tagcaaagct tgatcctgaa tatggactct 480
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<210> 10728
 <211> 540
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125h11d1

<400> 10728

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 ctatattgca catgaagtac tccggggcag gaaatctaaa cacacaaaag aagcatcata 180
 catgagtaaa attttacaac attccaattc aaaccagcca tgaaaagcta agattttatt 240
 tccacacacg agttctatta acaaagacag aggtacaaca ctcggttcaa tccgtagcaa 300
 ttcagaaatc cagcttgacg tcaatagctt ctccaatagt caagaagacc cttcctccaa 360
 ttcttgtgac aaagttggc gccttttagct tataaatcac ttgccaacga ggattggcaa 420
 ttgctagatg cttcccactt gagaccaaac tcttgtgcag ttcctcaaga gaagcaattc 480
 ctgaggtgac aatgctcacc aaattagagg tgtcaaggat tacgagctga attatgcttc 540

<210> 10729
 <211> 468
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125h12a1

<400> 10729

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 actctgaaca agtccattgg aaatggcgtc gagttcctca accgccacct ttcggccaag 120
 ctcttccatg acaaggagag catgcagcca ctgcttgagt tctcagggt tcacagttat 180
 aagggaaaga ccatgatggt gaatgacaaa gttcaaagcc tggattctct ccaacatggt 240
 ttgagaaaag cagaagagta tctgatttca gttgctcctg aaacacccta ctcggaattc 300
 gagaacagat tccgggagat tggctctggag agggggctgg ggtgacactg ccgagcgtgt 360
 cctcgagatg atccagcttc tgctggacct tcttgaggca cctgaccctt gcaccctcga 420
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[illegible]

<400> 10730

<210>	10731
<211>	478
<212>	DNA
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<400> 10731

<210>	10732
<211>	688

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220126a01d1

<400> 10732

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nnnnnnnnnn nnnnnnnngg ggnngggggn nnnnnnnnnn nnnnnnnnnn nngnngngng 180
gnngcgaaga aaatatacag gaaacatgac aaaattcaca aacttttact tagacaagag 240
aaagataaca ccaataataa gctaaactca gacgactcct tccaacaatt gaaacaacaa 300
tccaccacac taaagttctt ttggtatcat cacagtatat ggcaagtttc ttctgtatcc 360
ccaggaatag ccaatatatg atttacatat gcatttcaaa acaaaggaat ttaacggttg 420
atgattttca tgaatgcatg atgatttttg acctacgaaa ccaactgaca tgtaaaaaaa 480
tgcataatgc taggatgtaa tctttcccat cctgggtcaa caatcacaat cgatccccag 540
cctagaaaag caagtatgga gaaaaaaaat tatatggatg accaacagcc taggagcaat 600
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<210> 10733
 <211> 463
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220126a02a1

<400> 10733

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cccttcattg aggagaatat cacaaaacca gattggaggc aaagggaggc agcctcttat 180
gcttttggat ctatcttggg ggggccttca cctgacaaat tagctcctct tgttaaccat 240
gccttaccat ttatgcttag tgcttttagt aaggacccaa acaaccatgt gaaagacacc 300
actgcttggg ctttgggacg aatgttcgaa tttcttcaca gttcaattgt tggtagacca 360

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atcattaatg agggaaattg ccaacagatt attacagttc tccttcaaag catgaangat 420
gttcccaatg ttgctgagaa agcctgtggt gctctgtatt ttc 463

<210> 10734
<211> 598
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220126a02d1

<400> 10734

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nnnnntnnn nnnnnnnnnn nnnnnnnnnn ngggnnnnng nntntttttt tttttttct 180
ntntgattga ttcacgtttc ctaataaaat atacaggaaa catgacaaaa ttcacaaact 240
tttacttaga caagagaaaag ataacaccaa taataagcta aactcagacg actccttcca 300
acaattgaaa caacaatcca ccacactaaa gttcttttgg tatcatcaca gtatatggca 360
agttttcttct gtatccccag gaatagccaa tatatgattt acatatgcat ttcaaaacaa 420
aggaatttaa cggttgatga ttttcatgaa tgcattgatga tttttgacct acgaaaccaa 480
ctgacatgta aaaaaatgca taatgctagg atgtaatctt tcccatcctg ggtcaacaat 540
cacaatcgat ccccgacctt taaaagcaag tatggagaaa aaaaattata tggatgac 598

<210> 10735
<211> 564
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220126a03a1

<400> 10735

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tcccttccta tggaaacctt caagagttat gttctcaagg agcccatcgg agttgttgca 180
ttaattactc catggaacta tcctctattg atggctacat ggaaagttgc tcctgctcta 240

gctgctggtt gtacagcaat attgaagcca tctgaattgg catctgtgac ctgtttggag 300
 ctggctgaaa tatgcagaga agttggcctt cctcaggggt attaaacatt gttactggat 360
 taggcaatga agctggtgct cctttgtcat ctcatcctga cgtagacaag atttccttta 420
 ctggaagctc tgcaactgga agcaggatta tgacagctgc agcacagcta acgaagcctg 480
 tttctctaga gcttgggtgga aaaagcccaa tcattgcttc tgaggattgt gaccttgata 540
 agactgctga atggaccatc tttg 564

<210> 10736
 <211> 573
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220126a03d1
 <400> 10736

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 aaanaccgaa aatngagaaa aagggtaaat gaaaaaaaaa aagaaaaaaaaa gttttttttt 120
 ttttaataan aatgatatat ttaatcgggg ggggggggttt ttttatattt atatttttta 180
 taaccctccc atcctctttt tatgaacaaa tttttttgga agcctcattt cccatgatat 240
 gataaaattc caacaaaaat tctgataaac ataactgggc aaaaatgaag gaatgccctt 300
 tgaccaaaaa ccataacctt atgtcgggtt ttcaggggag gacattccac ctgataagtc 360
 caaattgcc aaccaagatg tattccaacc ctttgggact atagctcttc tatctccaat 420
 tcaaattttt aactcttctg accaggggtg aatgggcttt taaatgcaaa attcttttcc 480
 caaactttta gtgaggctgc ccagggggc tcggtagcat tggtgaacaa aaacaaccta 540
 ccacctccat agattgcctt tggttgaaaa acc 573

<210> 10737
 <211> 79
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220126a04a1
 <400> 10737

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ccgagtcctc cgtgctttc

79

<210> 10738

<211> 322

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220126a04d1

<400> 10738

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agaccgagta gntggaatta aggtgaccat gaccnaattc tctccccccc attttttctt 120

tcttcttcat cctcttttcc tttggggggg ggttattttc ctctcccctc tcttgcccct 180

ccccctgctg cctaattact cctttttttc tcaaatcaaa ctcaaccggc aaagttatac 240

ccctgaatct ttcctcgcaa catctacttc tgaacctacc cttgcaacag ggtttgccga 300

gacccatgct tctctatccc ac 322

<210> 10739

<211> 88

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220126a05a1

<400> 10739

agaaccctca tctctctca cgcttgact gtgtaagccg ttcattggcaa tctttgtgga 60

ccgaggctc agtcctttcc cagagcga 88

<210> 10740

<211> 470

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220126a05d1

<400> 10740

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agaccagct actaatagga ggccgggctc acccttcnat ttcgcatttt tattttttgt 120

aacttcttat aaaactaaga ggagggggta ttttatccta ccctttaaaa gtcccaccaa 180
 attttgaaaa aacacctcgt tgctttacac atgaaaataa aattgcaaac ttaaacacca 240
 aaatatttcg ttttaaggatg caatgctgcc cattccctcc acaacgggtc cgcggtgacc 300
 caatgtccac atcccactga acaagccata agctgcatt caccaccatg aagagagtgt 360
 tcaacttctg cccccgtttt ttctatccct gcttatataa gttagtgaag caggggaatgg 420
 ttaattgatt cctgcaccga aaacacttgc aggaacaaaa cttgagcgct 470

<210> 10741
 <211> 92
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220126a06a1

<400> 10741

agaaccctga tcacccaga catacggacc gttccagccg tgcattggcaa tcagtgggca 60
 cagaggcgctc tgctctctcc aagagctggt tg 92

<210> 10742
 <211> 455
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220126a06d1

<400> 10742

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 agtaatcaag gtccagggca aacctaccct acccactttt ttttttttca gacttcctaa 120
 acatccttgg ggaaggggtc ctttatccaa ccctttccaa tccccaccta cttctgaaaa 180
 aacacctttt ttcttcaaac atcaaaataa acctgcaaac ttaaacacca aaatcttccc 240
 tttcagaatt aactgctgcc cattccctcc aatacgggtc cccgtgtaac ccactgatca 300
 ctatcccaca tgaacaactc cataaaactt tcattcacca ccatgacgag cgtagttcaa 360
 agctctgccc tcatcttttc tatccctgct tctatcacca tgtgaaacag ggaatggctc 420
 atcgattcca tgaccaaaaa cactcacagc ctcaa 455

<210> 10743
 <211> 285
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220126a07a1

<400> 10743

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 cagaggtgtc tgtccagtcc atcagctggt gggtaaggac gtggatgatg aaacacctcg 120
 ttcgctcgta accctggcac tggacttgcc tactgatgaa gattcaagaa cggttgctgc 180
 taagatcctg aactgtcacg cgccgccccaa actatgatat caagcttccc atgctcatta 240
 ctagattgct aaggctgatt tggctctagg tcttacagac ggact 285

<210> 10744
 <211> 270
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220126a07d1

<400> 10744

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 tggggggggg ggatttttat ctataaatgc ctacccctc ttgctaaaac aatcttttct 180
 ttgtcaaata aactaaacc ggcaaagtaa aacaataaaa tcttcccctt gcaaaatttt 240
 attctgaaca tacctttgaa aacgggggtg 270

<210> 10745
 <211> 340
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220126a08a1

<400> 10745

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 acgggatcag gtgctcgtcc ttcacgatgg cgggaactga agcataaaaa actgaatcca 120

aaaaacctgc cgctaagcaa tccggtggga agaagaagga ggtgaagaag gagactggct 180
taggtctcac gcatcggaag goggagaact tccgagagtg gtattccgag gttgttggtta 240
atgccgaaat gattgaatac tatgatattt cccggttgcta tattctgagg ccttgggtcaa 300
tggcaatatg ggaagaacat gcaagagttt ttcgatccccg 340

<210> 10746
<211> 468
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220126a09a1

<400> 10746

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attgataagg gtgtggctca tgagtctgtt ggagtaaaac cagccacctt ggttccaaag 120
gaaatccctg tgataaaaaa gaaccatgtc ttaaagataa acattgttcc caaagcaaca 180
gtgaaagaac ataaagatga tgacacaaca catgagttac atgagccaga aaaagatggt 240
ccggatccta acaaattttt gactccagat gaattggaga gaggaaagt gctcctgag 300
gaaatcttat cccttccaat gtttaagaac tatacagctg gaaatcctgc tcctgtgttg 360
tatattaaga atttggtcaa gatgtgattg ctgatgattt ctattttata tttgggtcct 420
ttgttggaag aattgatgct gctaagtctg gtctttaagt caaactga 468

<210> 10747
<211> 489
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220126a10a1

<400> 10747

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ggctagtggc actgctgcaa gtgcaactcc aagaagcgca gtgccaagcc accatgtttc 120
aacattcaac agaagccttt ttccttccac tttctctttt ggaattgggtt cttctgctta 180
ccaggcagaa ggagcagcaa gtgtagatgg gagaggacca agcatatggg acacctacac 240
tagacagcat actgaaaaga tttgggatca tagcaccggt gacatgggag ctgattttta 300

tcacgatac aagggtgaca taaaaatagc gaaagaaatt gggctggact ctttcagatt 360
 ctctatctca tgggtcaagaa tattcccaaa gggcaaggga gcagttaacc cccttgggggt 420
 taaattctac aacaatgtca tcgatgagat cctagcaaatt ggtttaaaac ttttgtcact 480
 cttttcatt 489

<210> 10748
 <211> 195
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220126a10d1

<400> 10748
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 cttaaactac aaccaactct tctttgaatt gatgctcagg ttatagaaga ccttatagga 120
 ctaaccgaga cagncctcat acttgaaaac attgacagga tcaacaatac atgcacatac 180
 ttaaccttta ttccc 195

<210> 10749
 <211> 467
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220126a11a1

<400> 10749
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 ctaaccttgt tgacctagaa ttagcacctg ccgaccctt tgtattatct caactactac 120
 gtgggcttac aatgcagatt agcatgaaca accacctccg tgcgagttat gcatccaacg 180
 taccttgctc tgctgtgagg aagccctcat cttctggggt tgactaatcc tctgatgtgg 240
 caactgcaac gacgaattcc aggtccatcg cttttgcaa gcaagccaa agcttcacg 300
 atcgtggagc tgctgcaacc caccaccata ttggtgggat gtctgactcc tccaaccctt 360
 cctgcttgggt gtactctacc cttccatggg ggagttcccc taccggaaaa ccggattgtg 420
 gacgcaatgg acatgaactg aacaagctga tgaaatctgc tatcttt 467

<210> 10750
 <211> 371
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220126a11d1

<400> 10750

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 ttgaccttgg gtacataatc agatgagcag gttcctgtgc agcaaacc aa tcaaaatatg 120
 ctccaagctt ctaattctaa agcttgctgg caaaatacta gggaaaatag ctatgatata 180
 aaatctacat ctttctggta tccttcttaa acatatgcaa gcagcccca aa agagagagag 240
 acatatgcgc caaatgttaa catgaacggc gaaggatccc ggctaagcaa ctacgcatct 300
 aatataaaga ggaatttggg tccaagcttg cagaaaggcc cgccttagga ggactcccag 360
 caaaatctct t 371

<210> 10751
 <211> 385
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220126a12a1

<400> 10751

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 ttctggctct ttgggaagat gctgtactag tcgtggcat gcgtggcaac ctcatTTTTcc 120
 ctggtgggac atattacatt atgccgttaa catggggcgc tgtgggtggc ggactgaaac 180
 tacgccggac aggaaactca tactgtgcag ctactgtttt tcaagattac tgaaaaatct 240
 ttcgtggcac accacccaaa gacagcatac ctgtgataag ccctggaatc atctttacag 300
 gtactggact tgaaatcctg ttcgcagagg aagcttattg tgctgaatcc ttcaaatggg 360
 tggcgtttgt ggacattgaa attca 385

<210> 10752
 <211> 305
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220126a12d1

<400> 10752

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ggccagccct tttttttttt tttttttttt tgtattttat ttcttactcc cttgggtttt 120
ttataggttt ggagagaaaa ccgcaaccac gacgccgacc tttttttcat agtttcatca 180
gcaggggcct tggcagcaac ccaaacgaaa acccctccag gctttcaaaa caagaccctg 240
gtggcaaaga actaaggaaa agagctgtgc tgccccaggg gcacacttga ggggatctca 300
ctaga 305

<210> 10753
<211> 477
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220126b01a1

<400> 10753

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ggtacatgcc ttggtttagt tgcccgtact gttggagatg atattgtgcc gctggtaatg 120
cccttcattg aggagaatat cacaaaacca gattggaggc aaagggaggc agcctcttat 180
gcttttggat ctatcttga ggggccttca cctgacaaat tagctcctct tgtaaacat 240
gccttaccat ttatgcttag tgcttttagt aaggaccaa acaaccatgt gaaagacacc 300
actgcttga ctttgggacg aatgttcgaa tttcttcaca gttcaattgt tggtaacca 360
atcattaatg agggaaattg ccaacagatt attacagtgc tccttcaaag catgaaggat 420
gtntccaatg ttgctgagaa ggccgtgtgt gctctgtatt ttcttgccca gggttatg 477

<210> 10754
<211> 565
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220126b01d1

<400> 10754

002220126b01a1

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 nncgggggnnn ngnnnnnnntn nnnnnngggg ttgttaaact ggcaatgaaa gtggccaaac 120
 aacgtgatac aattttatct tagtaacaaa aagaaagatt cacgtcacca aataaaatat 180
 acaggaaaca tgacaaaatt cacaaacttt tacttagaca agagaaagat aacaccaata 240
 ataagctaaa ctgagacgac tccttccaac aattgaaaca acaatccacc aactaaagt 300
 tcttttggtg tcatcacagt atatggcaag tttcttctgt atccccagga atagccaata 360
 tatgatttac atatgcattt caaaacaaag gaatttaacg gttgatgatt ttcatgaatg 420
 catgatgatt tttgacctac gaaaccaact gacatgtaaa aaaatgcata atgctaggat 480
 gtaatctttc ccatcctggg tcaacaatca caatcgatcc ccagcctaga aaagcaagta 540
 tggagaaaaa aaatttatatg gatga 565

<210> 10755
 <211> 561
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220126b02a1
 <400> 10755

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 caatggcagg tggtagatgc cttgggttag ttgcccgtac tgttgagat gatattgtgc 120
 cgctggtaat gcccttcatt gaggagaata tcacaaaacc agattggagg caaagggagg 180
 cagcctctta tgcttttgga tctatcttgg aggggccttc acctgacaaa ttagctcctc 240
 ttgttaacca tgccttacca tttatgctta gtgctttagt gaaggacca aacaaccatg 300
 tgaaagacac cactgcttgg actttgggac gaatgttoga atttcttcac agttcaattg 360
 ttggtacacc aatcattaat gagggaaact gccatcagat tattacagtt cttcttcaag 420
 catgaaggat gttnccaa atgtctgagaa gcctgtggtg ctctgtatct tcttgccagg 480
 gtactgagat tgtggacaac atcnntcgta ctcentgttt caggaaatgt tcaatccttc 540
 tactgtacca cagagagatg c 561

<210> 10756

<211> 652
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220126b02d1

<400> 10756

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 nnnntntntt ntttgggggg ggtttttttt tttttttttt ttnttttttt tttgtttggt 180
 ttttttatnt tcaggaaaca tgacaaaatt cacaaacttt tacttagaca agagaaagat 240
 aacaccaata ataagctaaa ctgagacgac tccttccaac aattgaaaca acaatccacc 300
 aactaaagt tcttttggtg tcatcacagt atatggcaag tttcttctgt atccccagga 360
 atagccaata tatgatttac atatgcattt caaaacaaag gaatttaacg gttgatgatt 420
 ttcataaatg catgatgatt ttgacctac gaaaccaact gacatgtaa aaaatgcata 480
 atgctaggat gtaatctttc ccatcctggg tcaacaatca caatcgatcc ccagcctaga 540
 aaagcaagta tggagaaaaa aaattatatg gatgaccaac agcctaggag caattataca 600
 caataggatg atcaaaacaa tgattttgat gcaggtttaa agtcagaaga ag 652

<210> 10757
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220126b03a1

<400> 10757

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 cagatatgtc tgtgctgtcc aagagctgat cgatatagaa gaacgatgat gaaataaacac 120
 gttcagccga agacgagaca ctggatgagc ctaataccga agaagtaaga aaggctgctg 180
 ttaagaacgt gagcgaacat gagccgcgca aggcttgtga tcaggcgacc gatgctgaag 240
 cctagattgc tcaggatgat tcggctcta 269

<210> 10758
 <211> 410

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220126b03d1
 <400> 10758

agcaacaatg gcgttctata cgntcgttcc aaagcaagat aaaaataaaa accaataccc 60
 acccacgtat acactactcc ctaaacttca ctctaactct tacattttta attttatcta 120
 tccaacactc tctccacact ggggggagggg gggtcatatt cacctaccac cccctccct 180
 cttaacttaa ttaaccacca cttaatctct tttccaaaaa taaaaaacia ccgtaaacc 240
 ctacgcatgt attaattctc aaaacactca ccctcccca agaaaaaaaa accaaaaaag 300
 cctaaacttc ctaaacctgg gaaacaaacc aactcccaa acccaaataa tcaaacttcc 360
 aaattgagcc acggccaaga cccatcttat caaaacttc aactttaccc 410

<210> 10759
 <211> 112
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220126b04a1
 <400> 10759

agaaccctgt tccctccaca catttgacc cttttagccg ttcattgtcaa tctgtgggca 60
 ccgtggcttc tgtgctatcc atatgctgat gggatatagac gtggatgacg aa 112

<210> 10760
 <211> 88
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220126b05a1
 <400> 10760

agaaccctct ccacacccca ccctcagacc tgatctagcg accgtcgcaa ccattgggga 60
 cagagccctc ggaccctcc ctgctgca 88

<210> 10761
 <211> 281
 <212> DNA

<213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220126b05d1
 <400> 10761
 atgcaacggt ctgttctcgt tagcgagccc ngnantnant ttttataagc cttnatccat 60
 ttatataatt atctttggcc ttggtttact ctttttctct ctcttttttc tttcttcctt 120
 tctcacctat ccctccgggg ggtgggggatc tttccttccc cctacccact cctctttctcc 180
 tttcgctaaa actttttttt ttttctcaac tcaaacttaa cctgcaaact ttttcgactg 240
 aatctttcct tgcagaaata aattctcccc ctacccttcc a 281

<210> 10762
 <211> 272
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220126b06a1
 <400> 10762
 agaaccctga tcccccccca catacggacc gttccagcct tgcattggcaa tctttgggca 60
 ccgagctgtc tgtgtctctcc aagagcggtt tgctctggac ggtcatgacc aaacatcacg 120
 gttcgccgaa gccatggcac tcgacgtgcc tgctaccgag gaagccagca gggttgccgt 180
 ttagatcgcg aacgatcccc cccacgcaa agcatgagat caagcgcccc aagctcatgc 240
 ctagattgct caggctgacg cggctctggc tc 272

<210> 10763
 <211> 402
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220126b06d1
 <400> 10763
 aaaaaaatg ggggcgttcc gattttcgta tncnagnnnc nggnttaana ttnnnnngggc 60
 aangaccagg ntgactanta cgaagggacg gccttcanat nnnctctcgc accttttttt 120
 ttattttaac atcactcatt accccagggg gaaggggaaa attacccaac ccctaaaaat 180

ccctaccacc tgctgaaaaa acacaccctc tcttcgcaaa acaaactaaa acggcaaagt 240
 tataccacag aagctcccct cgaaaaaata aaatctgaac atacccttgc aacaggagta 300
 gctcagaccc atgattcata cccactgac taacccatga acctttattc agcatcttta 360
 agatctttta caaattccag acctagtact ttcatacctg ca 402

<210> 10764
 <211> 291
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220126b07a1

<400> 10764
 agaaccctga tcacgcccc aatacggacc gttacagccg ttcattgtcaa tctgtgggca 60
 cagaggtgtc tgtgctttcc aagagctgtt tgctatggac gtgcatgata gaacaccacg 120
 ttcagccgaa gccgtggcac tcgacggggc tgctaccgag gaagcaagaa aggttgccgt 180
 tcagaacctc agcgatcccc ccccgcgcaa agcatgggaa ctagcgcccc atgctcatta 240
 ctagatgtct caggctgatt aggcctctgga tctacagacg gtgctggact g 291

<210> 10765
 <211> 457
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220126b08a1

<400> 10765
 ctcgagccgc atttttcatc tcgtttactg agtggggggg tctgctgctt cagctgctac 60
 tgggtccaat cgttctctac tctatgtttg tgtacttgag gtgcatgtgg ttgatactcc 120
 atggaaactg tggttggaat tgaggacaat gacgatggaa ggtttgaaga cagtgggggtt 180
 gatagaagca gttcggcttt gtcttcaccg aagcaaattt ccaaccaat tgtatacaag 240
 cttgttcggg ttgaagggtga tgggaagtta gtgcctgcaa cggatgatga agtaatggag 300
 gtgggggatt ttcttgagta tgaaaatagt gaaatgcatg ttggcacata cactggacaa 360
 agtttggaat gcatatcaat tgagagatca tcttctggga agcttcgatt ggagcgtttg 420
 gaaggaactg cataggcaga tttggggaaa ctaaattg 457

<210> 10766
 <211> 419
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220126b09a1

<400> 10766

tggacgcagg caacgtgcat tttcccatte gaaggacacc atcacgccgt tttcgcgtcc 60
 ccgtcgtttc ggatccatcg tcatcgtttt tgtcttcttc ttccattagt ttagttgaga 120
 atcaatccca tgacaccgag ctggagcctc cgcccgccac cgtcgctgcc tccaacggtc 180
 agatccggtta ccgatcgccg tcctccgccg agctcttcga cggcagcagc aactctccgc 240
 cctcgcacgc cgccgaccag cactcgccgg agttcgagtc cagcaaatg ctgaagcgcc 300
 ccggccgtca ggagtccctc gccgacaaga tctatccggt ttgcggggac actgctccgt 360
 cgtcggcgat cccgctcctc ctcatcacat ttctctctta cgtcatgccg tccagcacc 419

<210> 10767
 <211> 335
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220126b09d1

<400> 10767

tttttttttt tttttttttt ttttttcttt ttttttttgt ttgttttttt tttttttttt 60
 tgtggtttct ttgttttggg gcagcccaca gcgggaccca tttaattttc cctggaaaaa 120
 aaggggcccc atcccctggg gggatccctt aggctgtgga gcccccttgt gctgggcatg 180
 cggggcccac actggaaaag cccatctcgg ccacagcggg ggaccccaat gccattatc 240
 tggaccccc cccccaacag gaccgcgaac agcaggggtg cccgtttgtg ctccagcacc 300
 cggaagaggg cctcctggaa gacgacccca gctgg 335

<210> 10768
 <211> 513
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220126b10a1

<400> 10768

gacgcaggca acgtgcattt tcccatacga aggacaccat cacgccgttt tcgcgtcccc 60
 gtcgttttcgg atccatcgtc atcgtttttg tcttcttctt ccattagttt agttgagaat 120
 caatcccaag acaccgagct ggagcctccg cccgccaccg ccgctgcctc caacggtcag 180
 atccggtacc gatcgccgtc ctccgccgag ctcttcgacg gcagcagcaa ctctccgccc 240
 tcgcacgccg ccgaccagca ctcgccggag ttcgagtcca gcaaaatgct gaagcgcccc 300
 ggccgccagg agtccctcgc cgacaagatc taccggtttc gcgggacact gctccgtcgt 360
 cgcgatcccg ctctctctca tcaactattcg tctctacgtc atgccgtcca gcacctcaac 420
 gagtccgtcg gagactacgc cctcgttaac cggaaaatgt cccccgaaag aaatccgtcg 480
 gctcctacgc cgatcatctt gagcgccgga gct 513

<210> 10769
 <211> 312
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220126b10d1

<400> 10769

cttcaacatg ccatttggca ttatttattt gataaaaaga tctcttgatt acatccaaca 60
 caagtgatat acgatgaaat ctaaggagat aaacaagaaa aacactagac atggcaaagg 120
 aacactaaat tcagatcact tgaaaaggaa cttttgcaac caaaaggcag agaaccggg 180
 gtgtcttttc aagtttgact tgaattccac atatatgagc ccgattcgaa ctgtgtaacc 240
 agcctcccat tcaaaactga acgaaaacga ccatgcctta gagaccttaa aaataacacc 300
 ttgcttgatc gg 312

<210> 10770
 <211> 273
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220126b11a1

<400> 10770

aaaagaccta tgctacatgc acatggattg gctagcctat acatgcgcac gcaacatgta 60

gcgggtataca ccaccggggc cttgcgattt accccacaga tgaaactaga cgtatatcac 120
 tccaatgatg cccaagaagc atgctgagca gcaccgcagc ctgacggacc ttcttccatt 180
 tcgcaccatc tgttcactat agggattgcc gttaccgata tctcgcatat ccatccatct 240
 tgctctggca tgcacaacga ccgtgcctct ccc 273

<210> 10771
 <211> 287
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220126b11d1

<400> 10771

ggcttaatat tttttatattt atatagaatt gtgctagctt aatcaaaggc aaataactttg 60
 aggtccactt gctagagaaa atacatgcat ccaccgcag agaaaggggg ggaattaatt 120
 attcttttat aactaaaat ttgataaaat tctgcatcct gcttcgagca aggtgtctcc 180
 aaggcttccc tgacctacaa gtaggaactc tccggtcaaa cctctggatt aacctgaact 240
 ttgatgttgt ggatatcata tctgatecta tgctaacta taatatt 287

<210> 10772
 <211> 453
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220126b12a1

<400> 10772

aggaaaaatg ggggggattg agtccgatnc gaanncnnnn tnnngtntnn nnncnnnnn 60
 cnnnnnnnnn nnnnngnggg nnnnnnnnnn ngnnnnnnnn gnttttggnn ttcttttgct 120
 ttctggcttt gtttgctact ctggctcttt cccaggatgt agcacaagcc gagcacatta 180
 gtggctaccc catactccca ggtggtacaa atcacattat gccatccact cgcggcgctg 240
 ccagtgggtg attgaaacta cctcggtcag gagactggaa ctgctcatct actgggttgg 300
 acgaatactc agatgtgtta cctggcacac caaacaaaat gagcatacct gggataaagc 360
 ctggactcat ctttacaggt actgcacttg aaagcgccca ccaacagaaa cctgatgggg 420
 ctgaatcctc caaccgtgtg tggatgggtg aca 453

<210> 10773
 <211> 187
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220126b12d1

<400> 10773

gataaattgg cttttttttt tttatttttt taagaagtgt gctagcaaga ctcaagggca 60
 aacaccctga ggtcccctct ctatagagaa tacgggcttg cacccccaga gaaaaggggg 120
 gactaaatga ttctatcacc cactaaaata aaataaaaact caaccccctt ctttgttcaa 180
 ccgcccc 187

<210> 10774
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220126c01a1

<400> 10774

attaccgaa tggctcttca cagatggacg gtgactctct atcatctcaa ccgttatggt 60
 catagctgag agtgctatgc cagagacgat tgttttaggc gtgcatgatg gccaaacact 120
 ttcagccgaa gatcagtgc tgaacgtgta tattatggac gatctaacct tggaagctgt 180
 tataaccctg agcgaactgt agacacacag tacatgtaaa cctgcttcta ttaataaggc 240
 cttgatgcgt acggatgatt ga 262

<210> 10775
 <211> 267
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220126c01d1

<400> 10775

aganaaaagg ggctacctgt ctctatgcga ggccnagatt anggtattag ccaaaaccta 60
 gacagtatcc gggcttaatt gtatataacc caccaccattt ttttttttcc ctcataacctc 120

aataaatagg ggggggggac tttttatctt attttactcc accaactccc cctataacaa 180
 attttcttca cgcaaattaa acttaaccgc caaagaaata caactcattt caaccttgca 240
 caaataaatt attcacctac ccttgaa 267

<210> 10776
 <211> 228
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220126c02a1

<400> 10776

agaaccctca acacgcaaca catacagacc gtgacagacg atcatggcaa ccattagcca 60
 cagagctgtc tgtgctgtcc aagagctgat cgataaggtc ggtcatgatg gactagcacg 120
 ttcagccgaa gacgagacac tggatgaggc taataccgag gatgcaagaa aggctgccgt 180
 taagaacgtg agcgaacatg agccacgcaa agcatgagat caggcgag 228

<210> 10777
 <211> 558
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220126c03d1

<400> 10777

atgacactgg tacttgattt acgcatanca gagancnnag ataannngtt ncnggncaaa 60
 gacccccgga cggggataca atgctttttt ctnttttaat tccatcccct cttttctttt 120
 tttaatcccc actctcacc ctcggggcag ggggtgtatt tttttattct tttccccata 180
 tttccctcc cggttccggc cttaaatttt taggtaccaa atccagaatc ggaaaaaaat 240
 tttgctgtaa ccatttttct aaataacaaa ttcttaccaa aaaatgccag gaggcctaaa 300
 ccttaaacia aagggtctta aacctctctt taiaaaaaaa ttagcgtacc aaaccttatg 360
 tcaattacia ctgcgcagga aaaaactacc ccaaccgaaa actaaaaccc ccgccaata 420
 aagggtctct ttgggccaca aacccttttg gttggctgtg aagaacctct ttaaaaaggt 480
 tcttggttta ccaaaacccc accttttatc caacttacc tgggcttatt tttgttttga 540
 agaggaggta taaccccc 558

<210> 10778
<211> 111
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220126c04a1

<400> 10778

agaactctga tccccctcca cccacgtacc gcctgaacct ttcctctcaa tcaataggga 60
ccgaggcctc tgtcctctac tcagagctgt tggatcgaga cggtcacgac a 111

<210> 10779
<211> 181
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220126c05a1

<400> 10779

agaacctga tcacccccca cattctgacc gttactgccg ttcactctcaa ccgttgggca 60
ccggggccctc tgagctgtcc ccgccctaatt gggccgagaa gttcgatcac cgcacctcac 120
cttctttccag aaccgaggca cttgccgtgc catctgccga agaaagcacc aagggtgccg 180
t 181

<210> 10780
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220126c06a1

<400> 10780

agaacctga tcacaccaga cattcggacc gttccagccg ttcactgtcaa tcattgggca 60
cagagccgctc tgtgtctctcc aagagctgat tggatgggac gtacgatgac agaacacctc 120
gttcagccga aaacgaggca ctggacgggt tttctaccca agaaggcagc aaggctgccg 180
ttcagaacct gagcgatctc gccccaggca aagcatggga agaggcgacc gatagctaag 240
cccagactgc taaggccgat tgg 263

0953113-032200

<210> 10781
 <211> 226
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220126c07a1

<400> 10781

agaaccctga tccccccaga catacggacc gttccagccg ggcatggcaa tcgttgggga 60
 cagagacgtc tgtgctctcc caccgcta at tggcttagac ggtcatgaca aaacatcatc 120
 gtcagccgaa aaccaggcac tggacggggc tgatacccaa gaaggcagca aggcagccgt 180
 ttagatcgtg agcgatcctg cgccggggcaa agcatgggaa caggcg 226

<210> 10782
 <211> 344
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220126c07d1

<400> 10782

gaccaa atgg ttgtcgatcc gtagcaancn nnttaattaa atccttatag catatatttat 60
 tgggtttttta cacacttttta atccttttttt ttttttctcc tttctctctt tctcggggcgc 120
 gtgtatcttt ctctaactcc tcaacttcaaa ctactgataa aaacaaactt ttcttggtat 180
 atccaaggga acctgaatgg ttatttctaaa aacactatcc tccgaacaag catgatttat 240
 cctccatgg gaacactggg aagaacaacg gtctcaacgg ttacaccogg ccagacacg 300
 aatattaccc cccctcttaa cctttctcca gcggaactct gccc 344

<210> 10783
 <211> 454
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220126c08a1

<400> 10783

ctcacacttt caaccccatc caatcctcac atgcatgctg tctctgcaa agtgccgagt 60
 cacataacat ttccattggt accattcttt ctttccatca caaccactta ttaagcctct 120

gatcctcact ttctctcaca caaaaacaca ctcacccatgg atcatcgcaa accattgcta 180
 cccacttcct ctgatgctgc tccaaatcca cacactcgca aggaccttct tctagttatt 240
 tgcggtctgc tattactctc ttcccttggt gcctttggag gggacagggc ctccaacgcg 300
 ccgcatgccg acgtggcatc ggcaacatcg aacgatgagc aacgtagtcc gacatcggtg 360
 ccttctccga aattggaccc ggtttcgcga ggtgtttctt ccggggtgtc agagaagtca 420
 tcaagcatgt tgtttgcggt taaagatgga gctt 454

<210> 10784
 <211> 510
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220126c08d1

<400> 10784

gcaccaaagt atcaatcatt ctgtangcat tncaagatan nagttaaacc caaaaccgaa 60
 aaaaaatatt tgtgaaaaan aaacaaacac acaaaaattt tttttttaa gaaacaaaac 120
 ccaaccaagg gggaagggtt ttattttctat aacccacac ctcccaactc acaataaata 180
 acaaactttc cctgttatct ccaagggaac cttattgatc actcttaaaa cactaaccac 240
 cgaatcaaca taattaatcc ctccatggga aactgtgaa aaacaacggt ctcaacggat 300
 aaaccggcc caaatccaaa tatcaccccc cactctaacc cttctccaat ggaactctac 360
 ccttctcct tagacttctt cctcatttca tccataatga acaaaacaca ctcgcttgac 420
 atgtttccgt actcactcat cacatgccgg gtggactgta atttctccgg cttgagccga 480
 agcttctcct caacttgatc gaggatcgcg 510

<210> 10785
 <211> 570
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220126c09a1

<400> 10785

atcggattag aggaagagag agagagagga tggagaaaac agaggaaaag gtggcggtgg 60
 gcgtgcctgt gcaattgtat tacgggtggag aaaatgaata tcaaaggga atgatccctc 120

ctaacacggt gtttggagat ccaaagggca tccccatcca gcagaccatt tacagggaca 180
 ctctgtctcc tttcaactgc ccttactgcg gtgacaccgc tctcactacc gtcagtatgt 240
 ggcgtcaagg gattatgac tagtcatggc gtatttataa gagattggat attggccttga 300
 tttggaatga aaggaaaaat gtaccacaaa atatccatag gtaaaatcta ttaacaaggg 360
 tctagtttat gcttgagttc aattccttcc tatgaataaa aaaaagaagt aaggggattg 420
 tttgtatcac atattaatgg gcagcgggta gaaaccagca agggactcat tggatgaatat 480
 cccaatctga aatgattcaa atggtcttac aaaccaataa attgttttaa tacttacagg 540
 cgtctgcgaa ttcattttta gttaaattatt 570

<210> 10786
 <211> 101
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220126c09d1

<400> 10786

nnttgacgcc gaaccttcag cagagatccc gannnggaga gaattngcag ggtcgaccat 60
 gctcactaga tcggcaggcc atgccctttt tttgtttttt t 101

<210> 10787
 <211> 581
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220126c10a1

<400> 10787

atcggattag aggaagagag agagagagga tggagaaaac agaggaaaag gtggcgggtg 60
 gcgtgccagt gcaattgtat tacggtggag aaaatgaata tcaaagggga atgatccctc 120
 ctaacacggt gtttggagat ccaaagggca tccccatcca gcagaccatt tacagggaca 180
 ctctgtctcc tttcaactgc ccttactgcg gtgacaccgc tctcactacc gtcagtatgt 240
 ggcgtcaagg gattatgac tagtcatggc gtatttataa gagattggat attggccttga 300
 tttggaatga aaggaaaaat gtaccacaaa atatccatag gtaaaatcta ttaacaaggg 360

tctagtttat gcttgagttc aattccttcc tatgaataaa aaaaagaagt aagtggactg 420
 ttttgtatca catattaatg ggcggcgggt agaaaccagc aaggtactca ttggtgaata 480
 tcccaatctg aaatgattca aatgttctta ccaaccanaa aattgtttta atacttacia 540
 gcgtcagcga attcattttt agcttaaata tatattcaaa t 581

<210> 10788
 <211> 319
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220126c10d1

<400> 10788

aaagattaac tatgatcacg aacgaaacct ttaatagaaa caaaaatgat atgggggtag 60
 tatcaccatt ttgttcgtct ctgaagacaa catatataga acatatatag atgcccttaa 120
 tgaatcgaat gaatcttcca aaatcgcaaa ttagatgtgc gggaattaat tacatatgaa 180
 aaataatgaa gctataatct cccattatct gtgaatcaca gaccatatac caatctcagg 240
 tcagcctgaa agttaatctc tgatcatcat gaatgacagc atttcaccac aaaatccccg 300
 ggatgaaact catgtgccc 319

<210> 10789
 <211> 575
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220126c11a1

<400> 10789

gaaatatcca agacttggtg atatgggctt aacacatctc aaagactcaa gttacttaga 60
 aaattccatc gattgggtac caggcatcaa agaaattcga ttaaaggact tgcctagctt 120
 catgagaacc acaaaccac aagatctcat gatgatggat ttcatatata gccagtgtga 180
 gagagctcaa aaagcttcag caatcattgt gaacacgttt gatgcattag agcatgacgt 240
 tttggatgca ttctcatcca tattgttgcc tcctatctat tccattggcc ccttaaacct 300
 actcttgaac aatgatgtca ccaacaacga ggagttgaaa acaatntggg tccaaccttt 360

ggaaggaaga gccaaagtgt ctagaatggc ttaactcaaa agaaccaatt tcagtggttt 420
 atgtgaactt tgggagcatt atggtcatga ctagtgacca attgccagag ttagcttggg 480
 gacctgcana tagtaacaaa aactntttgt gggtcattag gcccgatctt gtggcagggg 540
 gaattaattt ggcgttacct aatgaattgt gaaag 575

<210> 10790
 <211> 466
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220126c11d1

<400> 10790
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 ctcatctatg tcggaggccg cccttttttt tttttttttt ttttttccaa gcatttcctt 120
 gcatcatacg ttctttcatg ttatacagga caaattacag ttataggcgt tttttaaata 180
 tccagccagg ggggaagccag cacaaacagg tggatcgaag atggaattca ataatgggaa 240
 cataaccaca gaaagaggcg gatcctccgg agtttttatc ccttcaaaga tgggcaatta 300
 gcccattttg aataggcttg gctggcaggc cattctcttg ggcattccaa ccactttggg 360
 tgggggggaa atcaacagca ggcgagcaat tgaaaaacc atgcgagata agcatgaaac 420
 cagaggggnc cacgggcata acaagccaga cttccaatct aggaat 466

<210> 10791
 <211> 545
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220126c12a1

<400> 10791
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 nnnnnnnnng ngnnnnnnnn nnnnctncnn gnnngntntt gcntttgnga acacttttac 120
 tgagagctgg gtgacagaga agttattcta tgccttagac tctggtgcag ttcctatcta 180
 ttttggtgca ccaaattgtca tggattttgt ccctccacat tcaataatag atggtagaaa 240

attcaactca ttggaagagt tggcttcgca cgtgaaggct gtagctaata atccagtagc 300
ctatgcagaa taccatgcat ggagaagggtg tgggtgactt ggtaactatg gaaaaactcg 360
agctgtgagc cttgacacgt tgccatgccg attatgtgag gctgttagca gaaaagggtgg 420
aagaaatgcg ggaagctagg ttgagttttt tgctaaattt gtagctctgc atgatagaga 480
ttgacgcatt gaatttaggt ttgcaacctg tatagagatt gcttggttct ctgagctaata 540
gtaca 545

<210> 10792
<211> 432
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220126c12d1
<400> 10792

gaatgaagag tgatgtttgc atgatttgac atatcaaggt gacatatgca cgtgggttttc 60
taaaaaatca tacatcaaca aaaacacttt atctatagtg ctacctatgt ggagatagca 120
tcaaccactt tctaccagaa aaggggggca ataaaaata aaatttcaca tgagctaagc 180
ctttcttggc caaagggtaca ttagctcaga gaaacaagca atctctatac aggttgcaaa 240
ccttaattca aagcgtcaat ctctatcata gcagaactac aaattnagca aaaaactcaa 300
cctagcttcc cgcatttggt ccaccttttc tgctaacagc ctacacataat cgggatggca 360
acgtgtgaag gctcacagct cgagggttttc catagntacc aagtacacca caccttctcc 420
atgcatggta tt 432

<210> 10793
<211> 154
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmfl02220126d01a1
<400> 10793

aggaccctga tcacacttca gacacggact gagactgacc ttcttggcgg tcaatgtcca 60
ccgagatgtc cgtgggtctcg ccgtgattgt tgaatgagga gtctatcaag tacaccctct 120
agcagcagaa tccgagaccc tggatgaagga tact 154

<210> 10794
 <211> 281
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220126d01d1

<400> 10794

catccgatct gcatgacctt cgctnaccag aggcaaagat ttaatttatt taccagctcc 60
 ctagtctgag tccaacgccc tcccctcctt tctctcgctt gccttttccc ttgcgccctc 120
 ttttcctccc ccggggggcg gggacctatc cccccccatg cccaccacc tcccgctaaa 180
 attttttttc cgttctcaca tcaaactaaa ccggcaaact tatacaccac aatccaccct 240
 tgcacaaata aactatgcac ctacccttgc aaccagattt g 281

<210> 10795
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220126d02a1

<400> 10795

agaaccctga acacactaca catacagacc gcgacagccg aacatggcaa ccattggcca 60
 cagatatgtc tgtgctgtcc aagagcttat cgatacagat cgatcatgatc acaccacacg 120
 ttcagccgaa gacgagacac tggacgaggc tactaccgaa gaagccagaa aggctgccgt 180
 taagaacgtg agcgatcatg agccgcgcaa agcatgggat caggcgaccg atagctaaga 240
 ct 242

<210> 10796
 <211> 254
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220126d04d1

<400> 10796

ctgggcgctt aagtctatac tcgcatcnca gctatcacgt tgcatgcatc gcgtccgtaa 60

gcctctcaat aatctggggc cgccctctaa tcttttctct cccctttaat ctttccaaac 120
 atcctcccc ctcccgggga aagggtgttt tattcaactc ctataatacc ctttccctc 180
 ccgattgaac catactgtcc tcttcagaag aatcaciaac tttaacttaa accaaagaaa 240
 tctaacccca aaaa 254

<210> 10797
 <211> 93
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220126d05a1
 <400> 10797

agaaccctca tccctcccca catttggtact gttacagcct ttcattgtcaa tcgttaggca 60
 ccgagctgtc tgtgctctcc gaagagctaa ttg 93

<210> 10798
 <211> 464
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220126d05d1
 <400> 10798

acaaaacaaa ttgggggctg acctanatch ttctantngc aagaccccng tttnanagtn 60
 aaaagaccaa aaacaaacga tggaaaatat atatataatt ccaccccaac cacactctaa 120
 cttttttttt ttccaccctt tcccattacc ccctacttgg gtaggggtaa atttacaact 180
 tcactccctc ccaaattctt tctcccatct aaacttcctt ctctcctcac atcaaacaca 240
 aacgacaaac ttaaccacaa aaatctaacc ccacaaaaaa actaaattca aataacctcc 300
 aaacacaatt gaaacaaccc tacacctcac taaaaaccta ctaacaccat aacaattata 360
 tccacaactt aaataatatc cacaaaataa cgcaacatat gatttacata ctcttccat 420
 aacctaagaa cacaacgcat gattatcttc atgcaagcac ctaa 464

<210> 10799
 <211> 348
 <212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220126d06a1

<400> 10799

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agaaccctga tccccctcga catttatacc ctttacagat accttcggtg ccattaggca 60
ccgggctttc tgtgctctct ccgagctcta tccaaaccct tcactattac aaatccccgaa 120
acttcttcag actactattc tctccctctt atagttgtac cgaccatctg cctccaagat 180
gccgttaaga tggtagcgcg cccgggtcca cacaagcat aacaactagc gtccgctgct 240
gattcgccaa agatatcatg ttgataccgc tcagggtgac acagccggtt tttgacttga 300
cataacgacg gggcgacctg gatatactta gccagccaac aggccttg 348
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<210> 10800

<211> 292

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220126d07a1

<400> 10800

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agaaccctga tcccacccca cattctgacc gttacagact ttcattgtaa tcgttgggca 60
ccgagctttc tgtgctctcc ccacgctcat cgctacagaa gtacatgaca aaacacctcg 120
ttctgccgaa accgagacac tggccgagcc taataccgaa gaagccagca aggatgccgt 180
ttagatcctg agcgctccgg ccccaaacia agcatgagat caggcttccc atgctgaggc 240
ctagattgct catgccgata ccgctcttgc tcttacacac ggtgcttgac tg 292
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<210> 10801

<211> 582

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220126d07d1

<400> 10801

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ggccaaatac ctgtccgagc atgcgacttc ccgatagcgn agancnnngn ntnnnntttt 60
nannnnccnn ntnnnnnnnn nnnnnnnnnn nngnggnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnnttttt tnnntttttt nntnntnttn tttttttttt ggggggtggg tggttttttt 180
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<210> 10804
 <211> 395
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220126d09d1

<400> 10804

ctccttaagt atgatattaa caaagcatgg gtttattaca gttatgcaac aaaccgtggt 60
 ttaaaccgca gttgactttt acttcaaata caggagccgg aatggagtcc ctttctcatg 120
 ttacagctt attcttaaac aatttagaaa atgcaaagac caaatggcag naaaagaatt 180
 atcatcctat ccagacaatg caaagctctc ctgagtccag agggggggat ccatcacagc 240
 acagggatct gattttctcaa agtcagcaac cttttcttga catttaggac aggagggatt 300
 tttatgccaa aggcaatcct ttgaagggca aagaaagcaa actccaagca tcatcgggac 360
 aaagcatcca acaaaagctt gtaaactggg ctttg 395

<210> 10805
 <211> 376
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220126d10a1

<400> 10805

atcggattag aggaacatag agagatacga tggacaacac agaggaaaag gtggcggcgg 60
 gcgtgccagt gcacttgat tacgggtggag aaaatgaata tcatagggga atgatccctc 120
 ctaacacaga gtctggagat gcaaagtgca tccccatcca gcagtccatt tacagggaca 180
 ctctgtctcc tttcaactgc cttactgag gtgtcaccgg tctcactacc gtctgtatgt 240
 tgcgtcacgg gattatgac ttgtcatggc gtattttaca gagattggct attggctcga 300
 tttggaatga aaggaataat gtaccacac ttatgcatag gtgaaacact ttacaaggg 360
 gtctagtcta tgcttg 376

<210> 10806
 <211> 65
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220126d10d1

<400> 10806

gctccttaag tctaattatta acaaagcatg agtttttttac tggtttgcaa caaacctgtg 60
ttaag 65

<210> 10807

<211> 450

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220126d11a1

<400> 10807

cacccttctt ctctccaccc aattaaggaa gagtgtgtta gtgtgagaaa accctttagt 60
ggtgatagag tgaagagaga tgaatggagt gaagggggcag tgtcaaccct ccttgaggct 120
tatgaggcca aatgggtgct aagaaacaga gccaaactca agggccatga ttgggaggat 180
gtggcacggc acgtgtcggc acgtgccaac tgcaccaaact caccaaagac ttcaacgcag 240
tgtaagaaca aggttgagtc catgaagaag agatacagat cagaatcagc agcaacagca 300
gatcatgcat catcatcatg gcctctttat tcacggcttg atcttcttct taggggaact 360
ggacccgtgt ttgtcgtcgc cgcgcgcgtc gccaccggcg atgatgccgg cggcattgcc 420
ggttctgttt ccggtggagc cgtcgcaacc 450

<210> 10808

<211> 415

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220126d11d1

<400> 10808

aaaaactaaa ttgatattat tcctttatct caatagattt agaatagttt taaaatcatt 60
acactactac atgaacgaat tcatgccatt gagcattgta ataatccaaa cacttctttg 120
nagcaattgt ggtcataaga acttgacgaa ccacgttgtc catgtttctca tacgaagacc 180
catgtggact cgaagcagcc tcgagtgcc aatttcttgca ctccaaagct cttgccttca 240
tctccttacc cttttccctt tccatcaact ccctcacaag tgcttcaact ttctccctct 300

0953113-032200

taacatcctc tatctgcaac ccaatccccc actccttgca acaaaatcga caatagggtta 360
gtttgctccg aaagagaaga gccaacacaa cattggaacc ccttcacaca cactc 415

<210> 10809
<211> 634
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220126d12a1

<400> 10809

gccaaagagc ggggattgag ttgatggcag ncnnnntnnn nttnnnnncnn nnnnnnnnnn 60
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ttttnnnnnn nnnnnnnnnn nnnnnnnnnn 120
ncgggggngg gtncatcgat tgggtgccag gcatcaaaga aattcgatta aaggacttgc 180
ctagcttcat gagaaccaca aaccacaaag atctcatgat gatggatttc atatatagcc 240
agtgtgagag agtcaaaaa gcttcagcaa tcattgtgaa cacgtttgat gcattagagc 300
atgacgtttt ggatgcattc tcatccatat tgttgcctcc tatctattcc attggcccct 360
taaacctact cttgaacaat gatgtcacca acaacgagga gttgaaaaca attgggtcca 420
acctttggaa ggaagagcca aagtgtctag aatggcttaa ctcaaaagaa ccaaattcag 480
tggtttatgt gaactttggg agcattatgg tcatgactag tgaccaattg acagagttag 540
cttgggggact ngcaaatagt aacaaaaact ttttgtgggt cattaggccc gatctcgtgg 600
cagggggaat taattgtgcg ttaccaatg aatt 634

<210> 10810
<211> 412
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220126d12d1

<400> 10810

aaaatctaatt ttgatattat acctttattt caatagattt agaatagggtt taaaatcatt 60
acactactac atgaacgaat tcatgccatt gagcattgta ataactctaaa cacttctttg 120
gagcaattgt ggtcataaga acttgacgaa ccacgttgtc catgttcaca aacgaagacc 180

catgtggact cgaagcagcc tcgtgtgcca atttgttgca ctccaaagct cttgccttca 240
 tctccttacc cttttcccct tccatcaact ccttcacaag tgcttcaact ttctccctct 300
 taacatccta tatctgcaac ccaatcccc actccttgca acaaaatcga caataggttt 360
 gttgctccgc aaatgaagag ccaacacaac ataggaaccc cttcacacac ac 412

<210> 10811
 <211> 501
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220126e01a1

<400> 10811

caactcctgt ttgcacaagc cactcatgct cgacaagact gtgctggtaa cgggcgggagc 60
 cggttacatc ggacaccaca ccgttcttca gctcttgctc ggaggttgca gaaccgtcgt 120
 cgtcgacaat ctgcacaatt cctccgaggt ttctatccac cgagtcaggg agcttgccgg 180
 cgaatttggg aacaacctct cctttcaca ggtggaccta cgggacaggg atgcactaga 240
 gcaaattttt gtttcacac aatttgatgc tgctatacac tttgctggac tgaaagcagt 300
 aggagaaagt gtgcaaaac ctttactata ctataacaac aacttgactg ggacaatcac 360
 tctattggaa gtcattggctg cccatggatg caagatgctc gtgttctctt cttcagcaac 420
 tgtatatggt tggccatagg aagttccatg cacagaagag gttccctctg tcagcaatga 480
 acccatatgg acgaactaag c 501

<210> 10812
 <211> 573
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220126e01d1

<400> 10812

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 ccgaaaanag aaaaaagggg aaaattaaaa naaaaaaaaa aattttaatt aaaaataaag 120
 ttttttattt ttgggtgagg ggtaattttt tttgtggtac atgatagtat tcgaatctaa 180
 taatcaataa cctgtaagaa ggaacctata gaacctttta attaaattac agtgcagtaa 240

[illegible]

<223> Clone ID: jC-gmf102220126e02a1

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<210>      10814
<211>      603
<212>      DNA
<213>      Glycine max
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<400> 10814

4957

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 gggatgctgt tgcaggtgta caagtttgtg ctgctgatgg cctctctcct ggaccttggg 480
 ccaagcgctc ctccctccga gcatttttcc tctccctgct agccttggtc ttggcacgct 540
 tcgcctcaaa ctgggtcaaac aatgtctttt ctcttgcctt ttcaggcgtg gacttgtgta 600
 tgc 603

<210> 10815
 <211> 229
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220126e05a1

<400> 10815

agaaccctga tcacactcca catttttact gttccagccg ttcattgtcaa ccattgggca 60
 cagagccgtc tgtcctctcc cagagctctt tgctttagtc gtcgatgacc gagcaccgcg 120
 ttcagccgaa gacgagactc tggccgtggc tggtgcccag gaaggcacat aggctgccgt 180
 ttagatcctg aacgaccgcg cccagggcag gccatgcgaa ctggcgacc 229

<210> 10816
 <211> 484
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220126e08a1

<400> 10816

acagaacaga gcaacactga acaatggcgc aacctacctc ctccctggaag cctgttgtcc 60
 ctctcctgaa ggacgagctg gacatcgtga tcccgacaat ccgaatcctc gacttcctcg 120
 agatgtggca ggcccttctt cgaaccttac caccttatca tcgtgcagga cggagacccc 180
 aacaggacca tcaatgtccc cgaaggcttc gattatgaac tctacaaccg caacgacatc 240
 aatcgcatc tcggacccaa agcctcctgc atctcgttta aggattctgc gtgtcgctgc 300
 tttggttaca tgggtctcaa gaagaagtac atctacacca tcgatgacga ctgcttcggt 360
 gctaaggatc cttctggaaa ggaatatcaa tgcacttgag cagcacataa agattctgct 420
 ttgtgcatcc actccatttt ttttcaacac ctttatgac cttacagag aagggtgctgt 480

002220"CTT550

tttc 484

<210> 10817
<211> 560
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220126e09a1

<400> 10817

gccacaggcc ttatgcatg tgtgattgat gtccactact acaatctcta ttatgatata 60
ttcgaagaca tgaatgcatg agagaacatt gatttcatct acaaagtcg ttcacacag 120
ttggataata ttacaaccgt agatggctct ctactttcg tgggtgaatg gactgctgag 180
tggaagggtg aaggggctac caaaaaggat tatcaaagat ttgtcaaggc tgaattagat 240
gtttttgggc gagcaacatt tgggtggtgt tattggacac tcaagaacgt caataatcat 300
tggagtttgg aatggatgat caagaatggc tacatttaag ttttaaaaaa attcctcttg 360
ccgtgtgcac cctctatttc ctatcatatt atgccctttt aatatttctc aatatcaatt 420
atgatattga tatcataatt aatgtctacg tatagatctt taacgttctt cacttccgga 480
aaggcagaaa tatcaaagtt gtagaccctt tctttagtga aaacggtcaa aaaaatgaaa 540
ggctctctct gtttttacat 560

<210> 10818
<211> 229
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220126e09d1

<400> 10818

gttgccctct tggagatttt gctaccctca aatatggtag cagtagcagc ccaaggagag 60
caaaaacagg cgacccaag cataaccaaa cacgggatga aaaaccgcca caaaaatgg 120
gaaaaaacgg gccgggccac aaaaagagga aacccaccca agcccgaacc ctccccagg 180
gggggcccc ccggggcggg caccctcagt aacaaacccc cctggcccc 229

<210> 10819
<211> 604
<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220126e10a1

<400> 10819

cgccatgtct cactacaagt ttgttcttgc aattgagaac acttttactg agagctacgt 60
gacagagaag ttattctatg ccttagactc tgggtgcagtt cctatctatt ttggtgcacc 120
aatgtcatg gattttgtcc ctccacattc aataatagat ggtagaaaat tcaactcatt 180
ggaagagttg gcttcgcacg tgaaggctgt agctaagat ccagtagcct atgcagaata 240
ccatgcatgg agaaggtgtg gtgtacttgg taactatgga aaaactcgag ctgtgagcct 300
tgacacgttg ccatgccgat tatgtgaggc tgttagcaga aaaggtggaa gaaatgcggg 360
aagctaggtt gagttttttg ctttaattgt agttctgcat gatagagatt gacgcattga 420
atthaggttt gcaaccctga tagagaatgc ttgtttctct gagctaagat acatttgacc 480
aagaaaggct tagctcatgt gatattttat tttttattgc ccccttttc tggtagatag 540
tggctgatgc tatctccaca tagggtagac tataagttag tggttttgct gatgatgatt 600
ttga 604

<210> 10820

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220126e10d1

<400> 10820

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gtttatgaag acaacttatt ttaccttat attgatgagc tggatgattg gcccttgctc 120
atgtgaacag cttattctta agcagtgtat taattgcata ggccaaatgg cggcgatttt 180
attttcaccc ttccagaca aagcaaagct ttcctgaggc cagggggggg ggcccatccc 240
agcacaggga tc 252

<210> 10821

<211> 351

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220126e11a1

<400> 10821

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ggtgtccctt tgcgctaacc tcaaagagag tgcaggattt atacaaacca aagttgttgc 120
ttttgttatt tctgggttgc gaataggaat ggccggggtc agctgaggag ttggtggaga 180
agccgacgag acttggttct ccatggaacc cactcagc cttacggac gccggagttt 240
ggacctttcg ccgttgaaat acatagctgc tgacgcgtca gtcccgccgc tggagaacag 300
ccggaagcgc cagaggctgg ataggcgcgc ttctgcggca tgggagtgcg a 351

<210> 10822

<211> 395

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220126e11d1

<400> 10822

atattaatag cattatttga taactttatg tgcataata ataataacat ttttattaat 60
tatcttccat aacctaccct taacttcttc caattcttag agatgaatca acacctttat 120
tggtgacact tgcaaagatc ctagcaatct ctaactgtgt attggcaatt atttcagttc 180
tcttaagggc catttccctt ctttaggcct cagcttcaac tctcatcctc tctatctcct 240
tcattgagtc cattcttgct tgttcagacc ttatcatagc ttctgtaagc catcttaagc 300
ttctgctat ctccacacac tctttccttc ttgcctga gttgacaata ggtttcttct 360
tcctctaggt gcatcttaac ccgtccttct tgcta 395

<210> 10823

<211> 556

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220126e12a1

<400> 10823

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cctnnnnnnn nnnntngngg ntngncnnng nnnngnngnn ngngcggnntt ttgctttnc 120

tgatcaatcc caagaccttg gtttaccttg ccacacaaaa aaatatataa aaaggcaaaa 180
 taataataaa aaaaagagaa ggcttggagc caagaaaata aacacaaagc acaagtcatg 240
 gaaagaataa tggttggaag tgcaacaaag gttgctttca acctcttggc cactttcgcc 300
 attgtcattc catgccttga ggctggcatt gctgagtttg atgactttct caaagcccaa 360
 gctgatgaag cacaaaaaat tgctcttgag gccatgtcc cagtgccaga agatgtcacc 420
 gacgaactca atttccatgt tcatttgtca ttagaaaact ccacaaggag ggaactaagg 480
 caaaggaagg gtagatcacg aaaaaaatgt gttgccagca accctattga cactagctgg 540
 agatgcaaca aaaact 556

<210> 10824
 <211> 380
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220126e12d1

<400> 10824
 agagccagcc cttttttttt tttttttttt tttttttttt ttttttgttt tttttttttt 60
 ttttttttgg ttttgtttct tttttgggtg taccaaaaaa ggggggaactt tatctctctt 120
 taagtgatcc caagggaaga agatgctttt tttctgttt ttttaagggc cacagaggtt 180
 ctttgaaaaa aaaaacaaat ttcgcccacg agaccaaaaa ttttcgggga gatatggccg 240
 ggggcaggcc cttgcccatt tctaaaagag ggggggggaa aaaaagaacc ccgagggcgt 300
 ccccaaaaag ggaccctatg gggggtaagg gggcctccac ttttgggggt ttggggaccg 360
 ggattncgag ggaagccacc 380

<210> 10825
 <211> 571
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220126f01a1

<400> 10825
 caactcctct ttgcacaagc cactcatgcg cgacaagact gtgctggtaa ccggcgagc 60

cggttacatc ggcacccaca cegtttettca gctcttgctc ggaggttgca gaaccgtcgt 120
 cgtcgacaat ctcgacaatt cctccgaggt ttctatccac cgagtcaggg agcttgccgg 180
 cgaatttggg aacaacctct cctttcacaa ggtggaccta cgggacaggg atgcactaga 240
 gcaaattttt gtttccacac aatttgatgc tgtcatacac tttgctggac tgaaagcagt 300
 aggagataag tgtgcaaaaa cctttactat actataacaa caacttgact gggacaatca 360
 ctctattgga agtcatggct gcccatggat gcaagatgct cgtgttctct tcttcagcaa 420
 ctgtatatgg ttggccaagg gaagttccat gcacagaaga gttccctctg tcagcaatga 480
 acccatatgg acgaactaag cttatcattg aagaaattng tcgtgatgtc caccgtgcag 540
 agccagattg ggaaataata tnggtaagat a 571

<210> 10826
 <211> 575
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220126f01d1
 <400> 10826

agaaaaaata tgcgttagga atttcagngt nngcnagnnc nagntnnnnnt tnanngggcaa 60
 nnnennnnnn gnnnnnnnnn cnnnnnnnnn nnnnnnnnnn nnnnnntttt ntttttacna 120
 acatgngatt aatatttagg gaaggggatg cttctcatgt ggaacatgag agtattcgaa 180
 tctaataatc aataacctgt aagaaggaac ctatagaacc tttaaattaa attacagtgc 240
 agtaaaccac tacttattta ccatgtaact atgaatcata ataatacaag tacttgtcac 300
 cttgacctac ggactaaaga aaagcttttg agaaaactaa attcacaaga cctacggact 360
 acgggtgtggg ggagttcgga aaagaacca aagagaacac tatatatata tatagttaaa 420
 cgggggaatc ctctgatct ccatagccat aagggttttt gctagcccaa ttccattgat 480
 cgcggcacat ctcatcaatg ccatattttg ccttccattt aagctctctt tccgctttct 540
 ttgttgatgc ataaacaatt tcagcatcac caggt 575

<210> 10827
 <211> 313
 <212> DNA

002220 "ETTES" 032200

<213> Glycine max

<223> Clone ID: jC-gmf102220126f02a1

<400> 10827

ataaccctca tcacactaga cacacagacc gtcacagact atcatggtaa tcatgggccca 60
cagatctgtc tgtgctgtcc aagagctaata cgaatagac ggtcatgata cacaaacacg 120
ttcagccgaa gacgatgaca ctggacgagc ttaataccga tgaagccaga aaggctgccg 180
ttaagaacgt gaacgatcag gagacaggca aagcatctca tcaggcgacc gatgctgaag 240
actagactgc tcaggctgat aaggctctag aatatgacaa ccgatgctga actgaagacc 300
acaaacgaag caa 313

<210> 10828

<211> 531

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220126f02d1

<400> 10828

gaaaaaagat gggggagatc gagtngttag cagaccnggn tnnntnnnnn cnnccnnnn 60
nntnnnnnnn nnnnnnnnnn nntnnnnnnn nnnnnntnn tttttttnn nttntttttt 120
tttttgggtt ggggtgatac acattcaaata ggccctgaga ctggaccaag ttccacaata 180
gtggagatta acaagagggg gtatacagct acatattcac tgaagaaaca gtgggggtga 240
aagtttgaaa atgttggtta ccacctctgg caggtcaact gacagaaata gaataagatt 300
ccggcaatga ccaccaggtg cacattaaat ggtaataata agtaaatacga aaccggaaag 360
actaagagag ggctgaaatc agcaaagctg gcaggcagag agagggcata tgatggaaat 420
ctctgcacaa tcccatgcat gggaaggga ggaaacaatt ctatcgcggtg tgtggcaaca 480
ccggttgaat gtagaggcag aacaaggcta cagctactgc aaatctaaat t 531

<210> 10829

<211> 618

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220126f03d1

<400> 10829

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cgcacaanag agagggggcgg atcccgtngt cggatnnngn aggnncncggn ntnnnnttnn   60
tnggnaatnn ncnnnnnnnn nntnnnnnnn nnnnnnnncn nnnnnnnnnn nnnnnntttt  120
nnttttttnn nnttnttttt ntttttatgg gttgggggat attttttttt gtattgcata  180
tcataaaaaa aatatccgat aaattctatg ccatctattt aaatgacaaa cataggcaga  240
gtatctaaaa gactaaaacc aacagaaaga gacgtgacaa aaattacttg agcacggtaa  300
ctgaatatgc ccacataaat aaagagccgc catccaccaa atatctgac acacactcac  360
tttttgatt tcttcaatgc ttgagctggc tgggatgctg ttgcaggaga aatattttgt  420
gctgctgatg gcctctttac tggaccttgg gccaaagcgt cctccctccg agcatttttc  480
ctcttctgc taaccttgtt cttggcacgc ttcacctaaa accgnnggan acgatttctt  540
ttctcttgcc ttctcagcct tggacttgcc tatgctctcc ataaaactct cttggcctga  600
aaacattacc ttttacct                                     618

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<210> 10830
 <211> 477
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220126f05a1

<400> 10830

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agaagatggt gtccttgaag ctttagaagc gcctcgccgc tagcgttcta aaatgcggca   60
agggcacggt ctggcttgat ccaaataag tcaatgagat ctccatggcc aattctcgac  120
aaaacataaa gaagtgggtc taggatgggt ttattatcag gaagccgact aagattcact  180
ctcgctcccg tgctcgtcga atgaaggagg ccaagagaaa ggggcgtccc tctggttatg  240
gtaagcgtaa cggtaacaagg gaggcaaggc ttcccaccaa aatcctttgg atgaggagga  300
tgcggtgcct catgcgcttg cttcgcacgt acagggaatc aaagatgatt gacatgcaca  360
tgtaccatga catgtacatg aagggtgaaag gtaatgttgt ccagaacaag agagtctcga  420
tagagagcat tcacaagttc aaagcttggg aagccagaag aaagacattg tcttgcc    477

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<210> 10831

<400> 10831

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<210>      10832
<211>      508
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220126f06a1

<400>      10832
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$\langle 210 \rangle$	10833
$\langle 211 \rangle$	453

<212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220126f07d1
 <400> 10833

gacaaagctt gggtcctgct gatctcgata ccgaaaccgt gatgagtgtt aagatccatt 60
 ttctatata ttatcttata ccttgtaaca tctctttac caaatttttt tcttttttg 120
 cccctattcc ctccctcacc tctgggcggg ggtgtccttt tcttccatg cccctcctcc 180
 ttccgcttaa acactttttt ctttctcacc tcaaactcaa ccggcaaagt tattccccct 240
 aatcttccct ccagcatta tcttctccac ctccccttgc aacaggggtc gctgagcccc 300
 attcttccta tccactggc ctactcatga cttttattc cgctcttaa catcttctac 360
 cacacccccg ccgccgtgct tctctctccc tgcacctatc cccttctcac acagggtttt 420
 tcttttcgct tccagtacct aaggccctac cat 453

<210> 10834
 <211> 543
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220126f08a1
 <400> 10834

gtctttctat tactatctct tctctctcac atcgctttca ctctctcaa ccccaacacc 60
 atcactctcc cactctcccc tctctctatc aaacccatt cctcagactc agatccattc 120
 cactctctca aatttgagc ttccgcttcc ctaaccggg cccaccacct caaacaccgc 180
 aacaacaatt cccctccgt agccacaacc ccagcatacc ccaaatacta cgggtggctac 240
 tccatagatc tcaacctcgg aacccacct caaacctccc ccttcgttct cgacacaggt 300
 agcagcctcg tttgggtccc ctgcacctcc cgctacctct gctccactg caacttcccc 360
 aacatcgaca ccacaaaaat cccaaccttc attccccaaa actcctgcac cgccaaactc 420
 ctcggttgca gaaaccccaa atgtggctac atcttoggct ccgacgttca atttcgctgc 480
 cccaatgca aaccagaatc ccaaaactgt tccctaakat gccccgcta cataatccaa 540
 tac 543

[illegible]

<400>	10835
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<210>	10836
<211>	358
<212>	DNA
<213>	Glycine max

<400> 10836

<210>	10837
<211>	350
<212>	DNA
<213>	Glycine max

<400> 10837

4968

tcaaccactt tctaccagaa acgggggggca ttaaaaaata aaatatcaca tgagctaagc 180
 cttttcttggg caaatgtaca ttagctcaga gaaacaagca gtctctatac aggttgcaaa 240
 cctaaattca atgcggaaat ctctatcatg cagaacttca aatttagcaa aaaactcaac 300
 ctagcttccc gcattttctt cacccttttct gataacagcc tcacataatc 350

<210> 10838
 <211> 549
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220126f11a1

<400> 10838
 taactcaact ggatatggtg atgagctttt atgggcagct agttggctct atcatgctac 60
 gggtgatgat tcttaccttc agtttgtgac tggccaagat ggagaagact atgctcaatg 120
 gggaagccca acctggttca gttgggataa caagcttgct ggaactcagg ttttgttatc 180
 tagattaagc ttttttaagg caaaggacat ttcgaattca tatagctctg ggctccatag 240
 ttacaggaaa actgctgagg ctgtaatgtg tggctcttct gcggattctc caacagccac 300
 aaaaagcaga acagatgatg gtcttatatg ggtgagccaa tggaactctt tgcacatcc 360
 tgttgcatcc gcattcttag ctgctgttta cagtgactat atgctaacat cgcagacacc 420
 aaactaagat gtggatcaga ttcctttacc caatcagatc ttcgagactt tgccaaatct 480
 catgctgatt acctattgag caagactcct atgcatatga gtcttctggg gggctataga 540
 gataaatac 549

<210> 10839
 <211> 138
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220126f11d1

<400> 10839
 aggggcgggt tcaataatat cagtagtagt aattgtctgg catgacctac ccttagacgg 60
 caccaggggg tagagatgga tctacacgtt catgggcgac acgtgcaagg gggctagggg 120
 ggggtaaccg cgcttggg 138

<210> 10840
<211> 464
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220126f12a1

<400> 10840

ggaaaagagg ggggatcgag tccgtngca annnnnnnt nnnngtnnc nnnnnnnnc 60
tnnnntnnn nntngngcnn nnnnctnnnt nnnnnnnnn nntntgntac atctggtgct 120
gggtaaaacg ggtggggagc gatccttctt gagtgagga aacaggagcc aagcccttct 180
ggcctctgct attgggggca aaatggctgc tgggtggtct gaaactccca caagactcat 240
ggcggtgact gctgcggcac caacaagac atggctccct gttgtagag gtggaggcaa 300
ctctcgacta ccacaatgg cttgatgat cgctaccaca tgactatggg attgatccac 360
taggccttgg gaaggacca tcattcctca tatggatcag ataagctgag ctcatcctg 420
gtaggtggtc aatggctgca ccctaggaat cttgtcggg cacg 464

<210> 10841
<211> 592
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220126g01a1

<400> 10841

attttagttt caaaaaaatc aattaactca agcatggtca aagctggtaa ccggcggagc 60
cggttacatc ggcaccaca ccgttcttca gctcttgctc ggaggttgca gaaccgtcgt 120
cgtcgacaat ctgcacaatt cctccgaggt ttctatccac cgagtcaggg agcttgccgg 180
cgaatttggg aacaacctct cttttcaca ggcggacctc cgggacaggg atgcactaga 240
gcaaattttt gtttccacac aatttgatgc tgtcatacac tttgctggac tgaaagcagt 300
aggagaaagc gtgcaaaaac ctttactata ctataacaac aacttgactg ggacaatcac 360
tctattggaa gtcattggctg cccatggatg caagaagctc gtgttctctt cttcagcaac 420
tgtatatggt tggccaaagg aagttccatg cacagaagag ttccctctgt cagcaatgaa 480

cccatatgga cgaactaagc ttatcattga agaaatttgt cgtgatgtcc accgtgcaga 540
gccagattgg aaataatatt gcaaagatac tcaacccagt cgtgacacc ct 592

<210> 10842
<211> 546
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220126g01d1

<400> 10842

catgcgacat ccgcatcgat agcaggcaag ataaagttaa aggcagatcc taatagaaag 60
ccgcccgtat cgatctttac tctctctct ttttttttt tacttctttg gaaactaaaa 120
ttggggaacg gaagcctgct caaagggcac atgaaatcat cccaatctaa taattaataa 180
cctgaaagaa ggaacctatc gaacctttaa attaaattac agtgcagtaa accactactt 240
atttaccatg taactatgaa tcataataat acaagtcctt gtcaccttga cctacggact 300
aaagaaaagc ttttgagaaa actaaattca caagacctac ggactacggg gtggggggagt 360
tcggaaaaga acccaaagag aacactttat atatatatag ttaaacgggg gaaaccttct 420
gaactccata gccataaggg ttttttgcta gcccaaacc attgatcgtg gtacatctaa 480
taaatgccat attttgccct ccatttaagc ttttttttcg ctttctttgt tgtgcctaaa 540
caaatt 546

<210> 10843
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220126g02a1

<400> 10843

agaacactca ccacacaaga cattcagaca ggcatagaca aacatggtaa ccagtggcca 60
ccgatatgtc tgtgctgtcc aagagctaag ggatctggaa gtcgatgaca cactagcacg 120
atcagccgaa gccgagacac tcgacgagc tggtaccgat gaagccagca aggctgccgt 180
taagaacgag aacgaactgg agacggacaa ggcatacgca tctggctagc gatgctcaag 240
actag 245

<210> 10844
 <211> 446
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220126g02d1

<400> 10844

agaaaaaaat ggggggatcg gtccgtatcn aggcnnngnnt tnnntnaggg cannnnnnnn 60
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nntttttntt ttttnnnntt nnnntttntn 120
 tntggggggg gggttctttt ttttcttttt ccctggcctc acaatatagc caccggaaat 180
 atcatagtat tcaatcattt cggcattaac aacaacctcg gaataccact ctccgaagtt 240
 ctccgccttc cgatgcgtga gacctagcc agtctccttc ttcacctcct tcttcttccc 300
 accggattgc ttagcggcag gttttttgga ttcagttttt tttgcttcag ttcccgccat 360
 cgtgaaggac gagcacctga tcccgttgca aagaagtcga aggcgattga aacgcgcaag 420
 agcgattgtg gcgtcacggt tgaccc 446

<210> 10845
 <211> 561
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220126g04a1

<400> 10845

tgcccaattc tttccctcc acccaccctg catatttaga tattcctatt taatagcacc 60
 ccatagatta ccttgtgtga ccaactactt tgactccttt accataccat tacaataatt 120
 atcaaacctt accagaaaa atggatgacc ggggaggaaa tccgcaacgc tcatcgttcc 180
 catggaccgg ccaccatctt ggccttcggc accgtcacgc cgtccaactg cgtataccaa 240
 gccgattacc ctgactacta ctccgcatt accaaccatcg aacacatgac ctgatctcaa 300
 agaaaagtgc aagcgcatgt gtgaaaagtc catgaaaag aagcgataca tgcacctgac 360
 ggaggagttt ctgaaagaga acccgaacat gtgcgtatac atgggcgctt cgcttgacgt 420
 tgagacaaaag acgtaatggt gatggagagt gccgaagctg ggaaaacaag cctgaacgaa 480
 agcgaataaa gagtggggtc aaccaagcc aatgatcaca cacctggagt ttctgcacca 540

cttttagggg tggacatgcc c

561

<210> 10846

<211> 368

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220126g05a1

<400> 10846

cgaagatggg gcccttgcaa cttcccaagc tccttgcccta tagctatcta aaatgcggca 60
 tggggccaggc tttgcttgac accaaatgaa gtcaactaaa tctccatggc caattctcgt 120
 caaaacctaa cgaagatact cctggctggg tctattatca cgaagccgac taagattcac 180
 tgtagctccc atgctcttgg acttaaggac ggccagagaa tggggcgctca ctttagttat 240
 ggtaagcgct aagtgccaat ggaggcaagg ctccccacca aaatccttga tatgaggaag 300
 atgcacgagc tcatgcgctt gctttgcatg atcaaggaat caaagatgat cggccaagac 360
 atgttcca 368

<210> 10847

<211> 482

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220126g05d1

<400> 10847

tccacacact tttcttcttt tttgtctaac aaatcttatt tttccattga tgggaccggg 60
 gaaaattcca tccaccatgc atatcataaa aaaaatatcc ggaaaattcc atgttcgcta 120
 tataaacgac aaacataggc agagtaacta aaagactaaa accaaccgaa agagacgtga 180
 caaaaattac ttgagcacgg aaactgaaga tgcccacata gataaagagc cgccatccac 240
 caaatctctg atcacacact cacttcttgg atttcttcaa tgcttgaact ggctgggatg 300
 ctgccgcagg tgtactcctt tgtgctgctg atggcctctc tcctggacct tgggccaagc 360
 gtcctccct acgagcattt ttcctctccc tgctagcctt gttcttggca cgcttcacct 420
 caaactggtc agacaatgtc ttttctcttg ccttctcagc catggacttg tgtatgctct 480
 cc 482

<210> 10848
 <211> 379
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220126g06a1

<400> 10848

cgaagatggg gtcctttaag cttcttatgc gcctcgccac taacttcctt aagtgtgca 60
 tggggcaggt cttgcttgat ccaaataag tcaccgaaat ctgcatggcc actactggac 120
 taaacataaa gaagatggct atggatgggt ttattatcaa gatgccgtct atgattcact 180
 ctcgctcccg tgctcttcta atgaaggatg ccaagagaac ggggcgtctc tctggttatg 240
 gtatgcgcaa ggggactagg gaggcaaggc tcccaccaa aatactttgg atgatgcgga 300
 tgcttgctct caagcgcttg cctcgcatgt acagggaatc atagacgatt gcctagcaca 360
 tgtgccatga catgtacat 379

<210> 10849
 <211> 219
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220126g06d1

<400> 10849

agccactggg cctgcttgct tcatgagncc cgaaaagtta aggcaagcca agggtcattg 60
 gccttgaant cctccccccc accttttttt tttcccatcc tcctccccct cgggcggggg 120
 gtctttatac tctctctggc cgtcctcctg ttgctcaaac aatccctctt ttctcaaac 180
 aaactcaacc ggcatagtta ttctattgaa tcttccctt 219

<210> 10850
 <211> 150
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220126g07a1

<400> 10850

ctagttgagt gtggagtagt atatagtgag atgtaaagta gactggtatg atggaagggtg 60
 aaggtttagat gtaagacgat agtttagata tttagttagt ggaagaagtg aggtgggtgt 120
 tgatcctgtt acctatagac gagctatgac 150

<210> 10851
 <211> 136
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220126g08a1

<400> 10851

aggtttcggt tgatctagag gaaaaaagaa tggggaatgt aggggaggcg agagtggatt 60
 gagtaaaaat gatatggtat ataagagaga gggagatgag gagctgatcc gttacggata 120
 gccagctatg acgtta 136

<210> 10852
 <211> 102
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220126g08d1

<400> 10852

ccctccaaag ttctgaaaat taccctccaa gggactatg ctggagttcg ttgggctagc 60
 ccctaggcta aacctcattt actgttctgc tctgatagcg aa 102

<210> 10853
 <211> 581
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220126g09a1

<400> 10853

cattgaagct aatTTTTTct ctctttctat tttccttctc tcaatcattc tctgtcctt 60
 ttactctct ggggtcaggg ccaatcatcg ccaagctcat gctctgcacc ctttctctcc 120
 ctctaaagat tctccatttt tctctgcttc catcaciaaac actgcatcaa cacactctct 180
 tgttttcttc actTTTTTTT ttttcttgca acacgtttct ctccaatttg ttgcaaacc 240

ttttggtttt aggtgccaaa ggacccaaaac gtccttgaag cctgaagccc ctctctcttc 300
 tcttaggggtt ttctcacctt ttttcagaag ggtgatgcaa tgaggcagtc ttttgatcct 360
 tcacttttgg gtccttccaa gattccatct ataaaaatac ctggaaaagc agggaatggg 420
 gcatgggagg ctttgtctgg atctgattcc taccatgctt cgtcggatgc tagcctcttt 480
 tatagctcat tacctgttct tccgcatgaa aaattgaact ngaatgaaac tgcaaagtct 540
 tatcaatcta ttgacgacat ctcatccggc tttagaagc t 581

<210> 10854
 <211> 212
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220126g09d1
 <400> 10854

aggggtctatg catgtgctat gaaccaaata tgaacatcta caattgtttt tttcaaagtt 60
 ttggacacac ggaagctttt caccacagaa tcgaatgaaa tgtattgtat ccgtcctcga 120
 tgtgcaagga tatttacaat aatgactgta agacagcggc atttaatttg ttgacgtcaa 180
 aatgtttttg agctgatggg ataggatgct tc 212

<210> 10855
 <211> 547
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220126g10a1
 <400> 10855

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 cacactcctt cttttccctc ttctgttgcc cgatcttctg cctccaagat tttggtattt 180
 gggattgatc acctggagtt ggaaatgggt aaaagttatg gagtgttctg atttgcaaaa 240
 gatatcatgt tgcggtgctt agagggactt aagcctttat ttgcttccat attacgatgt 300
 tgtgacctgg atatatataa ccagccaaga ggccttgaag atcctgaact tcttgctaga 360
 gagactgggt tcagtgtgaa cgaaatagaa gcactttacg agctcttaaa aagattagca 420

gtgctgtaat cgacgatggg ttgattaaca agaagagttt cagttggcat tgttcaagac 480
 aaataaaaag aaagtctgtt gctgatcggg tatttgattt atttgacaca aagcacaatg 540
 ggatact 547

<210> 10856
 <211> 357
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220126g10d1
 <400> 10856

cttatagaaa actaggatct aggagctgat tttaggccta atcgggtcaat acggagtggg 60
 attctactct gcttttcttg ttgctgagag gggtgttggg ggtacaaaga gcccaacttc 120
 tgatatgctt tatgagtggg acgctgaaac tgactggggc ccttatgtga ttttaagaaga 180
 tactgaccct gtataggttc tgcgtcgggg ggctcagatt acactccttt taagagagga 240
 agccaagaat caattcccta cgccaagcaa gcccttggg ttgttgtggc aaaagccaca 300
 gagaggaggc tttgggggtgt gcccatggga acaaatgaaa ggtgcttttg aggggaa 357

<210> 10857
 <211> 527
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220126g11a1
 <400> 10857

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 tccatttata gatccacgtc catccccatc tttcttctcc tattctctct gttttctttt 120
 cttcttctaa aaagtgagag aagaaaaaag ggaattgaag gaagaagatt gagaaaaaag 180
 ggggaatgcc cagataatta attcggtgaa atttcggatt ttcgtaagtg ggtgtttctc 240
 ttttcgtgtt tttaccttca gtggtggaag gaggggggtt ggtttggtga gttgatggac 300
 ttgatgagcg ttgagtngtg tgtcatcctc ggacggcatg gatgagggat gagatccacg 360
 ccaaccatca tcaactctgag ttttcttcca caaagcctcg caatggaggc actagtaaca 420

tcaattctgt gggccccacg gaattgctcc ggcacccagc gtcattgaatt gctggaatgt 480
 cctgtttgta ctaatcaatg taccctccaa tcatcagtgt cacaatg 527

<210> 10858
 <211> 87
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220126g11d1

<400> 10858

gccaacgcaa accactcccg gacatgggtca ggagacacct acccataccg gaggggtcac 60
 actcatacac tgatgggtct cggtaca 87

<210> 10859
 <211> 633
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220126g12a1

<400> 10859

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 cnagcgggcg agggcggcgc gaaccgccga ggaggaagaa gagcagcaga accagctgtc 180
 gctggtggcg cttctgttgg cggccatcag aaaatcgatg gtgtcgtgca ggggtggacc 240
 acccgacgat gtaatctcca cgtccatca catggagatc ggatggccaa ccaacgtcca 300
 gcacatcact catgtcacct tcgaccgctt caacggcttc ctcggtctcc cctatgagtt 360
 ccaagttgag atccctgcta gggttcccag tgctagtgtg agcgtgtttg ggggtctcagc 420
 agaatctatg cagtgttctt atgatccaaa aggaacaggt gtccccacta ttctcttgct 480
 aatgcaggac cgtctatact cacagggagg cttaaaggct gaaggtatat ttcgtattaa 540
 ccctgaaaat agtcaagagg agcatgtgag ggaccagttg aataggggca ttgtgccgga 600
 tgacatngat gtccactggt tggctggact gat 633

<210> 10860
 <211> 360

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220126g12d1

<400> 10860

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 gaaatttgaa gaggaggcta cacctTTTTa gccattccc atttgtcatg gttagaattg 180
 tctagtacaa gaacatacag aaccagggtca aattcagccc taaactgaac aaaacctgtc 240
 cacagataca caagaaggaa acgagnccta ctccatgtat taatttacac aagcaaacct 300
 agtgctgctt gtagagacaa aatctgaaaa acatggnact aaaaaactac aaagaaaacc 360

<210> 10861
 <211> 563
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220126h01a1

<400> 10861

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 tgcccgaaaa actcctccgc cagccaacg aacccatata tgatggagtg tgccaaaggg 180
 gttataggac attgagttct ggtctttgta atccatccag agttattggg aatttttctc 240
 caaatgttgg aaatggtggt aatttgaaga acttggtgct ttttggagcc gcggatacat 300
 attgggggac atctagatcc gttcatgggt cagcatcatt ggcaaggac tattacgaag 360
 tgctcgggtg gagtaagaat gctagttctt ctgaaataaa gaaagcatac tatgggcttg 420
 caaagaagct ccatccagac acaaacaaag atgatoctaa cgctgnaaag aagtttcaag 480
 aagtttcaat ggcatatgag gctctgaaag atgacgaaaa acgtcatcag tatgatcagg 540
 gtggccatga tgtgtatgta aac 563

<210> 10862
 <211> 677

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220126h01d1

<400> 10862
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 aannnnncnnt nnccgnnnnn nntnnncntt gtgtttcggt ttntnttttt ttctttgttt 120
 ttttttttat tttgtttttg ctttttttgg gggctagggg caaattataa tatagtttac 180
 ccatgggtcca atgataaagg ctccctcctt atgtgacgtg atagtaggaa aaagaatcac 240
 attgagtgac ttgcgccctt tcttatgtta taaggaaact atatacagca ctgactagaa 300
 ttctagccta gaggagcatg aggggattgc cttctaagtt ctaacaaaaa aaattttgaa 360
 ttgtgatcat cccttgggac gagaaataaa tattacatac actcgaaaaa gtggaaggaa 420
 ttaagaaaag aattaccaat ccttaatcct acaaaacttc aacaaccgcc tagttgagca 480
 tatgattttg ataataactc ttgcaatgtt ttcaaccaga agcagatgca actctctgtt 540
 tatcaaaatc tccttgcctt tccttggcaa actcttcaat caattcccgc tgtctctctg 600
 tcagattggt tggaatgctg acgttaaaat gaacatattg atccccaaat gtgtaagaat 660
 ttatagtctt gatccct 677

<210> 10863
 <211> 426
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220126h02a1

<400> 10863
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 tcagattact ctgtgctctc caactacttt gagtccttga ccatccctta tccaataatc 120
 atcataccta accagcgaga catgggtgacc gtggaggaca tacgaaacgc atcaacgttc 180
 ccagggaccc ggcaacatct agggcttcag caccggcacg ccatccaagc tgcgtctgcc 240
 aagacgatat accgtgacta ctgcttccgc attaccatct gcgaacacat gactgatcgt 300
 agacaaaagc gtaagcacat gtgcaacctg tccatgataa agaagcgatc atgcaccgga 360

tggatgagtt cctgacagag tacccgaaca tgcgcgaatg catggagcca tcgctagacg 420
agagac 426

<210> 10864
<211> 575
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220126h02d1

<400> 10864

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nnttntntnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnntt tttttttttt ntntntntn 120
nttttttttg gggggggggt ttatttttct aacggtttct tgttacatgt tattttcaac 180
agaaaattga cctaaacaac acagcgttag cattctgcag atgcacgtat tataatattg 240
gaatactagc agaagctaag gccaaagact cggtataaac atgatacaac gcataaatga 300
gcatagcttt tggtaacaata ttaagcatct tgctctcatt attgggcatt ataacaatga 360
tattactagt gcatacaaca acattcatgg taattactat gcacaatata attcttggct 420
gatttctcca gcattctcag gcttgcgcaa atatataaac ttcattcatat cctttcccag 480
ccttcccaca ataagttgga ctgtaattgt aaatgagatt gtctagcaac tcttgagcaa 540
ctgggtctgtt taaggatttc ctagcttcac tgacc 575

<210> 10865
<211> 79
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220126h03a1

<400> 10865

atatctctat cccctccaaa caaacttatt gtcttagacg cacacgttaa tcattcgggga 60
cccaggtctc ggtgctatc 79

<210> 10866
<211> 381
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220126h03d1

<400> 10866

gaaaaaaatg ggtaaagtac ccgtncgagc tccggtagat aagggcaanc cgaatggaac 60
 cttatctgga aaaacacaac acacctttct tttccaacc cctaccttat tagggcgggg 120
 tatttttaca tcctttcacc cccccccct ttgaaaaaa acaacttttc attcaaatta 180
 aacttaaccg gcaaatttaa acacaaaaat ctatcttaaa aaaattaatc tcaccatacc 240
 ctaccaacag gagtacataa acccatgatt acatcccact gaccaaccaa aaaatttcac 300
 cagcacctta acgaggatta caaagtccag ccctagtttt tccatccctg cacctatcaa 360
 ctaaacaac aaggaatttc t 381

<210> 10867
 <211> 230
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220126h04a1

<400> 10867

atatctctgg acacccccca catttctatt gtgcgatcca aacatcttag tcattggcca 60
 ccgaggcttc tgtcctgtcc gatcgctgat gggtacagac gatcatcata taaaaccacg 120
 tttcatcaaa acctatgcac ttgctggtga tatattgccg aagaatgctc cttggctgcc 180
 gcttataatt tcagctatca ttgccaggc aagccttggg agaaggcgac 230

<210> 10868
 <211> 583
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220126h04d1

<400> 10868

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 agtaganaga ggactggggn aanaaanann anaaaaaatt tatctttcaa gaggggaaat 120
 aaaaaattag ggtgggggaa cattttgcta cgataaaccc acaagtcaaa ctagtaataa 180

taacaaactt tccctggtat ttccgaggggt tccttattga tcactcttaa atcactagtc 240
accgcatcag catgatttat ccctccaagg gaacactgtg aagaacaacg gtctcaacgg 300
ttagaccggg cccgaatccg aatagcacc cccactctaa cccttctcca gtggtactct 360
tcccttcttc cttagacttc ttctcattt catccagaat gaacaaaaca cacgcgcttg 420
acatgtttcc ggactcactc agcacatgcc gggaggactg gagtttctcc ggcttgagcc 480
ggagcttctc ctgcacttga tcgaggatcg cgggaccacc gggatgtgcg atccagacga 540
tagagttcca gtcgctgatc ccgatgggct caaaagctta aac 583

<210> 10869
<211> 265
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220126h05a1
<400> 10869

agaaccctgg acaccccaca tattttgatt gttagtccg aacatgtcaa tcattgggca 60
cagatgcttc tgtgctctcc ttgcgctgat gggatatagca agatgatgat gacgtatcgc 120
gttcataaaa aaccatgaca cttgatggga ataatgcaga agaagaaaca atggctgctg 180
cttacaacct cagctatcac gagccatgca aaccttgaggga gaaggcgaac tatgtttagt 240
ccaagattgg aaaggctgat tcggc 265

<210> 10870
<211> 451
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmf102220126h05d1
<400> 10870

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acqannntac taanaaatgg acggggcgnta anaatttaat taatttttta ctttataaag 120
tttttatttc aaccaagggg cgggggccat tttctccgt cttgcctacc attaaaccta 180
tatccaataa aacctatgtc cggtttttac cagaagaacc taagcagaca ctctaaaaaa 240

ccaaaacccc ccgaaagaga cgtgaccccc tccactggaa cacggtaact gaaaacgccc 300
 acatcgataa aaagccgcca tccaccaa atctgatcac aactcactc tttggatttc 360
 ttccgtgctt gagctgcctg agactctgtt gccagtgcac ccatatgggc cgctgatggc 420
 cccctcaca taccttgggc caaactctcc t 451

<210> 10871
 <211> 563
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220126h06a1

<400> 10871
 ctctaaaaac caaaatactt aacaaacatt ctccctcttt gccattctca tcatcaccgc 60
 tgtaaacac catggttatg cgggagaaaa ccaaattggg gttttctcaa tgggaataac 120
 aacagcaaaa acccaagagg aacataagct cttcctgcct ccatggtttt gtcggcacta 180
 tttgggtgca aatcagttca tatcagacag caatcacaaa catatcaatt ttgtgcgata 240
 gcggtttggt ggggtgtgca tgggatcgtc aggatttggg ggggtgcacga cgagggtcgt 300
 tggggcttga tgggggtgtg gactgaaaca ccatttgggt ggtgaggtga tgggcttgtc 360
 ggtgacaaag tcaatgtgaa aagagtga aaattgaaa tgccactgct ggcaatcgcc 420
 tccggcgatg acacatgtgt gtcagcggcg agggaggctg aaatgtccca gatctatata 480
 agcatatcca ccagatctn tcagatgtac acagtagatc tagattgacc ttgttgattg 540
 ttgttgcttc atcatggatg gga 563

<210> 10872
 <211> 386
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220126h06d1

<400> 10872
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 aataatttcc ttctattttc cctctcccc ccccttttct ttttattctc tccctttccc 120

cacttgggct gggttccct tctctccca ctccccact cctcttgctt aaacacaacc 180
 tcttctctca aattaaactt aaccggcaaa cttattcaat aaaatctacc cttgcaaaat 240
 taaattctcc accttccctt gaaacaagtt tagctaagcc ccattctccc tatccccctg 300
 accaactcct aaaattttat cccccctcct acccattctt tccaaatcca gccctgttc 360
 tttccatacc tgccccctta ccttac 386

<210> 10873
 <211> 388
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220126h07a1

<400> 10873

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 aagctccttt accatcgcat ttcgggatct cgaatcttca atctagagag gtattgaaga 120
 tcctgatatt gttgcaaata caaagggctc atccgggttc agaaattata tgtatcctgg 180
 agagcatcct ctacttcctc ctaaagtgtc gtttcttagt gtttcccaag catatgctga 240
 ttatgtccct aatcctgctg ttgatttaaa ggctggtcac agacctaaag atggaatcac 300
 acaccaccag cgtacttcat ctgagagccc tcgtatagag gagcagccct catggcttga 360
 tgatctactt aacgaaccag agacacct 388

<210> 10874
 <211> 336
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220126h08a1

<400> 10874

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 gtaaacgcat gtactctgag aggaacatta aagccgtgta tggatgaggg gactgagac 120
 atacacacc aaaagggata gttaagaaaa agcttacaca ttcatactct atctactaga 180
 acggggtcag ggactacaaa gatggatatct gatgataatg ttggtggagt caciaagttc 240
 agagtcaata gcaagatgta caccaaggag gattcttggg tggagatacc acctaccca 300

aaacggggcca agcctcgagc tataggcaaa attcct

336

<210> 10875

<211> 531

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220126h09a1

<400> 10875

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accaatcaac aacaacatgg ctaatttgca aggagggcct gactttgaca aaatcttcca 120

cttcctctcc atttgcatcc ttgctttcat caatgaaggc tctccctccc tctcaagagc 180

attcatgaac gagccatggt catggggcat aagcattccc attagtttgc acgtgaaatt 240

tgcacttgag atccacactc accttggaat ctgtgttggg gtaggagtac cctctttggt 300

ctatcggggg gccacacgtt gtgccattga ttggtactgg gaagcagcat tgcagttcaa 360

ccatgagatc tatagaacat gccttttcaa tgttgttatt gggttgctac acttgttggt 420

gtcaaagctt gctcattaca tcattgagtg ggtgagggat cacaagccga tgaacaacaa 480

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<210> 10876

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220126h09d1

<400> 10876

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ggatgtcatg tgaatcgatt aggggtgttaa ttaattttca actactaaaa ctaagctgcc 120

cttgtgcaac ttcgaggacc aaatccgaac ctctcattct ccaaatacata ttcaatgtaa 180

aaattctgct gctagaaata cccaagata atggcgggac cggtagtctt gggcggaccg 240

gcacct 246

<210> 10877

<211> 349

<212> DNA

<213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220126h10d1

<400> 10877
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 gggaaccaa cgtgtcttgt agtttgaaga aaaaatgaaa gtaaaatccc agcaaaagaa 180
 tccacaaaac aaaatacatt attcaaagat ataacaaatg taagagtaaa agcaagagct 240
 gtctgccatg cccttttttg tacaaaagag gccatgcagc ccaaaagaag aagccatggg 300
 agaaattatc ttcaaggatc gntacttgt gaatgaaata caaagctcg 349

<210> 10878
 <211> 353
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220126h11d1

<400> 10878
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 tttgggcctt tatcgtttcc cccctgccca aagggggggc ctttttttcg caaaagaggg 120
 gccgaacccc ctgttaaaat tcccttgaaa taacatggca cccccgaat ttgggcatgc 180
 cccccccac atttgaattc tggccttccc atttttgtcc tgggactctg agcttaagcc 240
 cctttctttc cccccagaa aaaaatcggg gcctttttct ttgaataatg agccctcat 300
 gggtttcctt tacctttcgg ggactttaac aaacccttgg ggggggcccc ccc 353

<210> 10879
 <211> 661
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220126h12a1

<400> 10879
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nnnnnnnnnnn nnnnnnnnnng gggngngggtt gntngntcca cgtccatccc catctttctt 180
ctcctattct ctctgttttc ttttcttctt ctaaaaagtg agagaagaaa acaggaatt 240
gaaggaagaa gattgagaaa aaagggggaa tgcccagata attaattcgg tgaaatttcg 300
gattttcgta agtgggtggt tctcttttcg tgtttttacc ttcagtgggtg gaaggaagg 360
ggtttggttt ggtgagttga tggacttgat gagcgtgag tgtgtgtcat cctcggacgg 420
catggatgag gatgagatcc acgccaacca tcatcactct gagttttctt ccacaaagcc 480
tcgcaatgga ggcactagta acatcaattc tgtgggcccc aacggaattg ctccggcaac 540
cagcgtccat gagttgctgg aatgtcctgt ttgtactaat tcaactgtacc ctccattca 600
tcagtgtcac aatggccaca cactgtgttc cacatgtaaa actagggtgc acaaccgatg 660
t 661

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<210> 10880
<211> 378
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220126h12d1

<400> 10880

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gcattacccc ctgttgaatt tcctttcaaa ttacatggga acccccggtg tttgggttgc 180
ccccccatc ttctgaattc tgggctttcc attttggtcc tgggactctg agattaagcc 240
cctttttttc cccccaaaa aataatgggg ccttttcttt ttgaataatg gaccctcat 300
gggtttccct taccttcgg ggtctttcac aaactcttg ggggggaccc ccccaaatga 360
gtttccttcc attggccc 378

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<210> 10881
<211> 347
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220127a01a1

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<400> 10881

actcactagc cttattttag gttttgagat tgagctaaag gccaaactcaa ccatcgaatt 60
 tgttggagtt agaaagagtt ggaagaagat gctgggtatg gaagctgaga gagctggtcg 120
 agaaggagca ataagtctaa gtcaaggaga aggcgtagcc taagacagca ctgtgactga 180
 actcaccaaa atccgtctcc tcatggcaat tgttgaaacc cgagatccct cttccaagga 240
 tgaggatgat tttatgatta gaagattcct gcgagctcgt gatttagaag tagagaaagc 300
 ttcggcaatg ctctcaagt acttgaaatg gagaaattca tttgttc 347

<210> 10882

<211> 330

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220127a02a1

<400> 10882

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 ttctactcgg cttttcttgt agctgagagg gttgttggtt ctacaaagag cccatgatca 120
 gataagcaat atgtgtggga agcagaagct gacagtagct cttatgtgat aaaagaagaa 180
 actgatcctg aaaaggttct gcgtcgaggt acacagatta cactctattt aagagaggat 240
 gacaagtatg aattctcaga gccaaagcaag attcaagggtt aggagaagaa ttactcacag 300
 nttgtttcct tccccatcta cacatggcaa 330

<210> 10883

<211> 417

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220127a03a1

<400> 10883

aggtagagcc tcctcatcca ccaaaaccac cgaagaaacc accaagccca ccaaagtag 60
 agcctccact tccaccaaaa ccaccaaga atcctctctc tcttccacca aaaccaccaa 120
 aggagccacc atttcatcca gttccaatct acaagaagcc atttccacct cttcctccac 180
 tcctaagtt tccaccactt catccagttc caatctacaa gaagccactt ccacctcttc 240

ctccactccc taagtttcca ccacttcac cagttccaat ctacaagaag ccacttccac 300
 ctcttctctcc actccctaag ttgcctccac tcaagccact tccacctctt cccaaacttc 360
 ctccaaagca ctttttccat cccccaaaaa gggtcccagt accaccttct tctctc 417

<210> 10884
 <211> 431
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220127a03d1

<400> 10884

attaaaaaac ttaagtatcc aatgacaatg catttgtata cacatgaaat taattaaaaa 60
 taaattccat gatctgggtt gtctaacttg ccccgatgat gatctttatt cgagaacaac 120
 aattttgatc aactcatac ttcacattac tttaaacttc ttaatcatat cgctctatct 180
 tagtttaaat tttatttata ttttcacccc aggcttatca catgccctat tctttcaagg 240
 gtttattagc aacaaataga ctctctcaat atacttgatc atacggaaag cccaaaaaag 300
 aagaccgaaa aaatgcatgc atattttgca gaccacaaca gagtaatcat ctacctctgc 360
 aatattaata tataaagcct aaggatgaaa ggaaaaaggt ggttctggga accatttggg 420
 gtgatggaaa a 431

<210> 10885
 <211> 381
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220127a04a1

<400> 10885

cttcagcaaa cgcagcgttg ccgtcgattc cctctgcgtt ttggagcttc gtgttgcgt 60
 ttaacagatc ggagttttcc tcgcatgac cgaaaccgaa gctttggagg atgcgaaaga 120
 agaggaggag ttggaggaag aagagtgcgc ggtgaaaatg gtgtacatgt ggggatacct 180
 tcccgagacc tcgccggaga agtctccgat actgtctccg gcgccggaga atctctccga 240
 tcgttcactc gccggagatt cgaggaaaga cgagagcggc ggagggttgcg gattcgccat 300
 ggccatctca gagaaagga atgctataac gaggggttct gcggacgatg aaaggcagag 360

ctactttata tcggggaagc a

381

<210> 10886
<211> 278
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220127a05a1

<400> 10886

attagaccct agcggatatt ctatgtaagg aatagaaggg ggagcaatat ccaccatcca 60
tgtcactcct gaagatgggt tcagttacgc aagtttcgaa gctggtgggt atgactttga 120
tgagatggct ctatgagaac ttgaggaaag agtttttagca tgctttcgtc cagcagagtt 180
ttctgttgct ttgcacattg acatgcatgg cgaaaaactt aacaaatttc cctaggacat 240
caatggatac tactgaggag agaggagcta tgaagagc 278

<210> 10887
<211> 441
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220127a05d1

<400> 10887

gtatggcaaa aacaagaagg ggtcccccat accaagaacc ctttacctta aaatcaccac 60
aaacccttat cccccctcaa ttacagaaat accccccggg cccacgcctc tattaaaact 120
ccccctatg agatggaggc ccaaacaaaa aaaaccttcg caaaaccccc caaaacaagg 180
gaaggccgaa aggtcattgc tggtttgatc catgccctga caactttaag cttcccttcc 240
aagaccatga tgaacctcgc ttaataaatg aaatggacta caacatattc ctaaattttg 300
aactggcctc gatcagtaca taactacata ttccgtgggt ttctgtgcca aaccctaaag 360
gtgcctaca gtaaagcctt gcgccccaaa gtctcttgcc actggaaagg aaaagacagc 420
caatgttttt aaggtcccca g 441

<210> 10888
<211> 361
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220127a06a1

<400> 10888

ggagagcacg cacgcgtaca ttgggcgcgt gagagatcgc tacgggggtc gttggatatg 60
 tggcctctgt tcggaggctg agaaggaaga gagggagtga gagaagatag agatatcaac 120
 ggacgaagct ctgaagcgac acatgggggtt ctgccaacag ttcaagtctt ctggctctcc 180
 agataacacc aacgaggact tcattctggc agcgaagcag atcctgtttc gcactttgga 240
 ttctccgagg aaagaccgtt tcaactgtcg accacttggg agatctcaca gntgnttctc 300
 aaccatgcaa ggaactccca cacaagcggg gacagaatga tccctctttg aataagatta 360
 t 361

<210> 10889
 <211> 557
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220127a06d1

<400> 10889

acatagaagt aattagatgc attgatatcc cattttgagt agcataatca tatcaataat 60
 gaatggtaag attgatgatt tcaacataat ttttagctac taaacaaaac attttgtaca 120
 gaaaagaaag aaacaagaaa acttgggaaga atatttataaa gctgaatttg ggccaaccat 180
 agaaattccg aaattccatt actagtaaac aaaagtgaca tttagattga agtcaaggaa 240
 ggaagactcc tgtcaacaat catccactca atcccaaagtg tcaaacaaaa acaatcaaca 300
 actcaacacc ataactcaac cattcctgcc tgactaacca caacacaaca aaaacaagac 360
 acacaactga gcttagtaac tcaaccttga ctacagata cgatgcttgt gaatcatgac 420
 tatacattgt ttattattat tattattatt attattatta ttatcaatta ttaatcaata 480
 agtctccatt ttagttgcat tctaataatt atcctacaat acttcaatat aactcctgaa 540
 gtgttttttag tattata 557

<210> 10890
 <211> 324
 <212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220127a07a1

<400> 10890

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caaacactca cactctctct ttctttcttc ctagctagct acaatatgga gcctctctct 60
tccaccaaac acaacaacaa tctctccaag ccttctctcc tccacacgga gagctccgcc 120
gccggagagc cagtcccttc cggaagatca tggaggaggg ctcctatgcc gccgggggtgc 180
aattcgggag ggccctacag ctctctctac ttaccttta cgtccaactg ctggggattc 240
cccacacttg ggccgccttc atcaggctct gcagcccaat ctccggcatg ctgagccagc 300
ccatcgaggg ataccacagc gacc 324

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<210> 10891

<211> 568

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220127a07d1

<400> 10891

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gccaccgcac ccaccacgaa cgctggtaag ttaccacctc caaatagagc atcccatggt 60
ccacttatca cagacaccac catctgtggt atgacaattg caagattgag cactcccaga 120
gacaaacctt ggctgcccc tgagggtgctg gagaatattg atgctagagc aaaggggatg 180
ctgtaagtaa tcgcgagtgg gattccgagg agagagaaga gagccaacgc gccggccttg 240
acggcggcgg gaggaggcag gggttcctgg tgggcgttgg ggagtagggg gtattgtcga 300
gaatgttggg ccatcttagt aacaaaaacc gtcattggcca aacaaaccgc gagcaagaag 360
ttaacaattc cccacagcct cttgacgccc ccaacccac gcgccagcac ttctactccc 420
aacgacgtcg caccaagcac aacagagttc aaaattagcc ccacgcaccc gacggacacc 480
cttatccgac gccttccctt ccctaactgtc cctccgtcac ctgacgccca tccagtcggg 540
gtcgaataag caaaagggaa ccggcgat 568

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<210> 10892

<211> 330

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220127a08a1

<400> 10892

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gcaccatcga tggcaccgag agcccttgtc ggagcagggc tgcttgatcc tgtacagaag 120
ctgtgctctg gaggttgaga taatactgag aaggtatgga agctaaacaa tggactctgg 180
aagatggact gcttccttgc tcttcagatg cacacggatt gggttcgaga agttgcttgg 240
gcaccaatt taaggctccc taaatctacc attgctagcg catcacagga cggtaaagag 300
attatatgga ccgaggcgaa agatggggat 330

<210> 10893

<211> 579

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220127a08d1

<400> 10893

aaaacaactc aaactaatca acttcattct tccaagcaca aaataactcaa tggatcacaa 60
acctcaagga acttagtgca ttatgaagca caattaatca actgtataat atgcaaagaa 120
acaagatgtc aactatattt caaaacgaaa attctaacca ttttcaaaag gaaaaatattc 180
acattctaag gctccactgt tgtcacctgt tgccattccc catcaactgc ttccttcac 240
aatgtcacat tgttgttccc atcagccaca gccaatatgt ttctgtcaa tgaccatgag 300
accctccaaa caggggtggt gaaatcattc aaaaccttgc cttcccactg atccccctct 360
ttcgccacgg tccatataat cactttaccg tctgtgatg cgctagcaat ggtagattta 420
gggagcccta aattgggtgc ccaagcaaca tctcgaaccc aatccgtgtg catctgaaga 480
gcaggggaagc agtccatctt ccagagtcca ttgttttagct tccatacctt cacagtatta 540
tcacaaccac cagagcacag cttctgtaca ggatcaagc 579

<210> 10894

<211> 367

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220127a09a1

<400> 10894

cacgagcaaa gcaaattaat atccatttgg cgtttcatat tcaagaggat cttctattag 60
 actattgaat gatgaagatg agttccaaaa gcgagaaaat aaaaccaaag actgattttg 120
 aactcgttct aaattattct aatcaaggta tttggaaaga tgactcgggt gcaagtgcaa 180
 atgcagcttg tcgaatagac aagacatttt ctgccactga cccctatct gaaatagtta 240
 ggtctccaga taatgataaa ccaacagatg acgtttttgt agaacctata gctagaatat 300
 gctcaaagag agatgtttcc tccacagata ctctgctag gcatccaaca agtgattatt 360
 gatacag 367

<210> 10895

<211> 533

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220127a09d1

<400> 10895

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 gaaggaagag gaaataaaga gtatgacaac aatacatata gacaacgagg tgcttccaag 120
 ttccaattct cctatatgta tttatatattt tatgagatca tagattattt cctgtaacct 180
 ttggtaaatc acaagttagt gaccccttgt ccataaaac aagcaagcca tttttacct 240
 tgtgaagtag actattctgt atgttggaat tgtttgatgg cacctaattt ccttgcaaac 300
 atggacacca ttggccctga atctctaaat cctgggaaag gtgtaaagga attgaactta 360
 tgcagctttg ctgtgtgata ttgatttccc ttatcctct taaggacagt ggaatcctct 420
 ttattgatac cacagttatg taaattttga gcctcagcga gcagttgggc atcagtagat 480
 tgttctctgg cctcttcaat cttgcagctt ttcagagaaa tgtgtttatg gga 533

<210> 10896

<211> 378

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220127a10a1

<400> 10896

ctcgagccga atcggtcga gtcgtgccg aatcggtcgt tgctcgcccc cgctagtgtt 60
 ctcggaactc agagctgctt cagatccagc ttcagtaacg tacactgaaa gcaattgtag 120
 atatctccga gttgcaaacg cgctttctga atgcggcaat ggcttctcac agcgacgcca 180
 attccttgag ggactttagg atccccgggc acgttctcgg gccggattcc gaggttgaag 240
 gaagcaacat cgatatcgaa agacctaaga gtccggagct cgttttcggg aactcatgga 300
 gtggaggcca gctaggatga gaactcttga aaacagaccg agcgcttggt aacgaaaacc 360
 atggtttcga cttggggg 378

<210> 10897
 <211> 495
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220127a10d1
 <400> 10897

ggatctcaat tcttatgtat tggaacagca caaacgttta tatcaaagga attattgcat 60
 ctcaattctt aattactatt cacatgttca cagacataac gctgctagaa tagatcaaatt 120
 cggggataca attgataaag gcaactaaca aatattttata aaaatcctac taacagctaa 180
 gcagacaatg ttggcaactg cataacttta aagaatggct ttcacaatga aagatctaac 240
 taagatgagc aaggtctacc tcatctggga ttttaaagt atttgccgca ccaaacttcc 300
 ggtattcatc tgctttagct tcttcatcat cactatcatc ttctctgaca tcattatggg 360
 gtggagatga cggatcattc tcaacttttg acttggaatc atgagtggcg agcatgttaa 420
 cctggccatg gtgagaaatt tccacaaaaa cagtattatc gtcaactggg aggggttgct 480
 ttcaaggttc cccat 495

<210> 10898
 <211> 376
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220127a11a1
 <400> 10898

ccatagttac ccacttcctc tgacgatgct ccaaattccac gcactcggaa ggaccttggt 60

ctaatagatta gcggttttagt ttttgctctc ttcccttggt gcctttggag ggtacagggc 120
 ctccaacgcg ccacatgctg acgtgtcatc gccagcatcg aacgatgaac aacctagtcc 180
 cacatcggag ccttctccga aaaggtaccc ggtttcacgg agtggttctt ctgggggtgtc 240
 agataagtca tcaagcatgt tgtttgcggg taaagatgga gcttcggaag catttccttg 300
 ggacaatagc atgctgtcga ggcagagaac tgcttttcat ttccaaccag agaaaaactg 360
 gatgaacgat cctaac 376

<210> 10899
 <211> 476
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220127a11d1

<400> 10899
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 tctcataaac ataaatgagc aaaaaatgaa ggaatgggct ttgagcaaga acccataact 120
 ttattggggg tttatgggaa ggtaaacaat cgatgagttc aaattgccac cccaagatgt 180
 tttccgatcc tttgtgacta caagtctttt atatccaatt taattattta ttttaattct 240
 tctgatcagg gtggaatggg cgtataaatg cagaattcat ttgccaaaca ttgagtgagg 300
 ctgtcacagt ggcctcagta gcattgttga acaagaacaa cctagcagct ccatagattg 360
 cctttgttgg ataaacccga gatgtcacia ccggccttcc accttgagca aagctttcaa 420
 caatagaatg gtccaccagt atccgcaagg aaaacttttc attataagta ctggaa 476

<210> 10900
 <211> 344
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220127a12a1

<400> 10900
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 gatatggaca tgggcctcag aatttgggcc tatataccac tgtgaccaa catgtttgag 120
 tttagttctt aggagggccc gacgatcgag aagccttggga gtagggggat agaatatcta 180

accatccagc ggtaaagtg actgtagaga ggttcattca caaagatgtg ttggaaggta 240
 acgacatgtc acactcttca ccaagcaaaa ctaatgggaa aagttacaat ttagccatat 300
 ctaaagtgtg ccctccaaat gaaaatgagc ttgatgatgc aaca 344

<210> 10901
 <211> 414
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220127a12d1

<400> 10901

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 agctggggcgt cctgttctag gaatatgtca atttttgtga taaatcttaa acgagccctg 120
 acccatgcct tactgctggg gaccacctt gctgacaggg agcttctgct tctcgcaagg 180
 gtcattccga accatctgca gctctgtgtc gagaaatccc ttcacacaga agaaaccacc 240
 tcttgctctg tcgttctga gctcactact tatcggtta attcctagaa ctgtctgttt 300
 accaaatgtg gcaacaaaca tggctaaaat aggccttctc gaacatgtct ataaaacaca 360
 aatccttact ccgcccttgc agggagacct ttagcatcat atttcgcacc tcct 414

<210> 10902
 <211> 313
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220127b01a1

<400> 10902

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 tgccctagcc ctaagcctaa tctcatttc ttgttctcct ttgctagcaa acgctagagg 120
 ccaccatcat gcaagaggcc atcatctaag gttaggaggg caaatctgca cggaactcat 180
 ccaaaaccag acgacttgca cggaccttag aaaggcagca gatcctaaaa ttgcacaggc 240
 aaagacattc caagagcttg cacaggcaga gctagaattt gccgtgaaca agggaataga 300
 gggccaaacc ttc 313

<210> 10903
 <211> 170
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220127b01d1

<400> 10903

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 acgcgcgcgt agagcagcga actaggctgg aagccgtcct gcaacaaaac aataataaga 120
 ccacacactg actcacatac atagcttacc gttcaacacc atcctaacga 170

<210> 10904
 <211> 178
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220127b02a1

<400> 10904

aaagagatag aagcagcgag ctaaagaagc aaagtagttt cccgcattct tcgaatactt 60
 aaggtaatat agctatcttt agcttttagct ttggagtttt tttttttaat caaccttgac 120
 ttctgttaag cttactcaat ttggtttaca atacctatca gaacaaaaga tagataac 178

<210> 10905
 <211> 307
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220127b02d1

<400> 10905

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 cgtgcgtaga gcagcgaact aggctggagg cgccctgttt catatcaatt tttttacgac 120
 accctcactc acatacatat ctctcgtgca gcaccatcct acctagctcc tactctgaa 180
 acaccaagag gcgtagagc ggccgcccga gacgtcacca tcagtgtcga cggatacaag 240
 actcaagcaa cttctctgga ctctacttct attccagttg atgcatgacc aacctcacc 300
 tacattc 307

<210> 10906
 <211> 429
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220127b03a1

<400> 10906

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 gttggagtta acgggaactt tcacaatccg tttcttttagg gggctaataag attttactat 120
 gttgatcctt gcaatgagcg ccatttcaag ccaagggggc caaggcattg gtttcagaat 180
 tctagacata tttttgttgc tgagatgggt ggtaggggtt taatcactga gttttttggg 240
 aacttggaag cagttcctta caccaagcga acccatttga ttctgttgtc aaaagccatg 300
 gagatgaagc taggggagtg ccagntagaa caaatcaaag ctgattttga agggaaaata 360
 ttgcctccta tacatcccg aagtgtgagg gtgacaatga tagctaataa aataattgat 420
 gcattgctg 429

<210> 10907
 <211> 546
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220127b03d1

<400> 10907

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 tttttgggtt tatttctaac agggactccc attttatctc tggatgttat atacatctaa 120
 aaaaccaaca caaacgcaca caacaaaaca ccaaccacg cccaacaaaa aaaaaaaacc 180
 aaatttttaa aaaaaaccac cccccccaca aacatcctt caccaaaaaa aaaggggaaa 240
 gggggttccc caaaaaaaaaa aaaaacaccc cccgggggga aggggcccc ccccaaaaaa 300
 aaaaatcccc ccccccccg gcgcaaaaaa aaaaaaaaaa aaaaaaagcg ccctaaccba 360
 aaaaaaaacc ccccccaaaa aaaatccctt ctggggggcca aaaagaggga caaaaaaaaa 420
 cccccgcca gggaaaacca cgcaaaaagt tccccccca caacaacaa atggggcccc 480
 acccgagaaa aaaacaccgg ggaaaaaaaa acacccccca aaaaaacccc cttccccccc 540